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Commonwealth of Pennsylvania

WATER SUPPLY COMMISSION OF PENNSYLVANIA

Water Resources Inventory Report

PART IV

GAZETTEER OF LAKES AND PONDS

ACT OF JULY 25, 1913

HARRISBURG, PA.
WM. STANLEY RAY, STATE PRINTER
1917

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**OLIVER S. KELSEY, Flemington, Clinton County
(Appointed December 1, 1915, vice Benjamin K. Focht, Resigned)

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LETTER OF TRANSMITTAL

Office of the Water Supply Commission,

Harrisburg, September 20, 1916.

His Excellency, the Governor of the Commonwealth of Pennsylvania:

The Members of the Senate and the House of Representatives of the Commonwealth of Pennsylvania:

Gentlemen: The Water Supply Commission of Pennsylvania respectfully submits herewith Part IV of the Water Resources Inventory Report, entitled "Gazetteer of Lakes and Ponds," which describes in alphabetical order the lakes and ponds in Pennsylvania.

THE WATER SUPPLY COMMISSION OF PENNSYLVANIA,

THOMAS J. LYNCH,
Secretary.

Note: The Commission will be pleased to receive information of Lakes and Ponds of more than 20 acres water surface area, which are not listed in this Gazetteer.

PART IV
GAZETTEER OF LAKES AND PONDS

(The data herein contained were collected during the year 1914, and the conditions described were those then existing)

INTRODUCTION

The lakes and ponds of Pennsylvania, while found in considerable numbers, are small and are used principally as pleasure resorts or for the harvesting of ice. They are not important factors in controlling the flow of the rivers of the State.

With reference to their origin they may be classified as *natural* and *artificial*. The natural lakes are mostly of glacial origin, having been formed by the scouring out of their basins through the forward movement of the ice sheet; by the irregular distribution of the drift ground moraine; or by the deposition of frontal moraines across existing water courses. Artificial lakes have been formed by the construction of barriers on streams, or by raising the water level in a lake or pond of natural origin; the backwater thus created inundating, in some cases, the bottoms of old lakes whose natural barriers have been eroded or swept away. Reservoirs used for storage for water power or water supply, unless primarily of natural origin, or known as lakes or ponds, are not included in this Gazetteer, but are noted in those portions of the Inventory Report devoted to Water Supply (Part VI) and Water Power (Part VII). Mill ponds and other small bodies of water unless specifically named as lakes or ponds are also omitted.

Lakes and ponds exceeding 20 acres in extent were surveyed, triangulation and stadia methods being used to obtain the surface area and soundings being taken to the nearest foot to determine the depth. Elevations were obtained by different methods. In localities covered by United States Geological Survey topographical maps, these were used in conjunction with barometric readings. In others, the latter only were used, with highway and railroad bench marks as bases. For those lakes which were in close proximity to these bench marks, direct levels were run to secure the elevation to the nearest foot and are given in figures only (as 1250); barometric elevations (Bar.) are so noted.

Two hundred and ninety-three lakes were surveyed, 254 exceeding 20 acres each in extent, the largest being Conneaut Lake in Crawford

County with an area of 928.5 acres, the next in size, Harvey Lake in Luzerne County, with an area of 658.6 acres, with 17 others exceeding 200 acres each.

Table No. 1—Lakes Over 200 Acres in Area

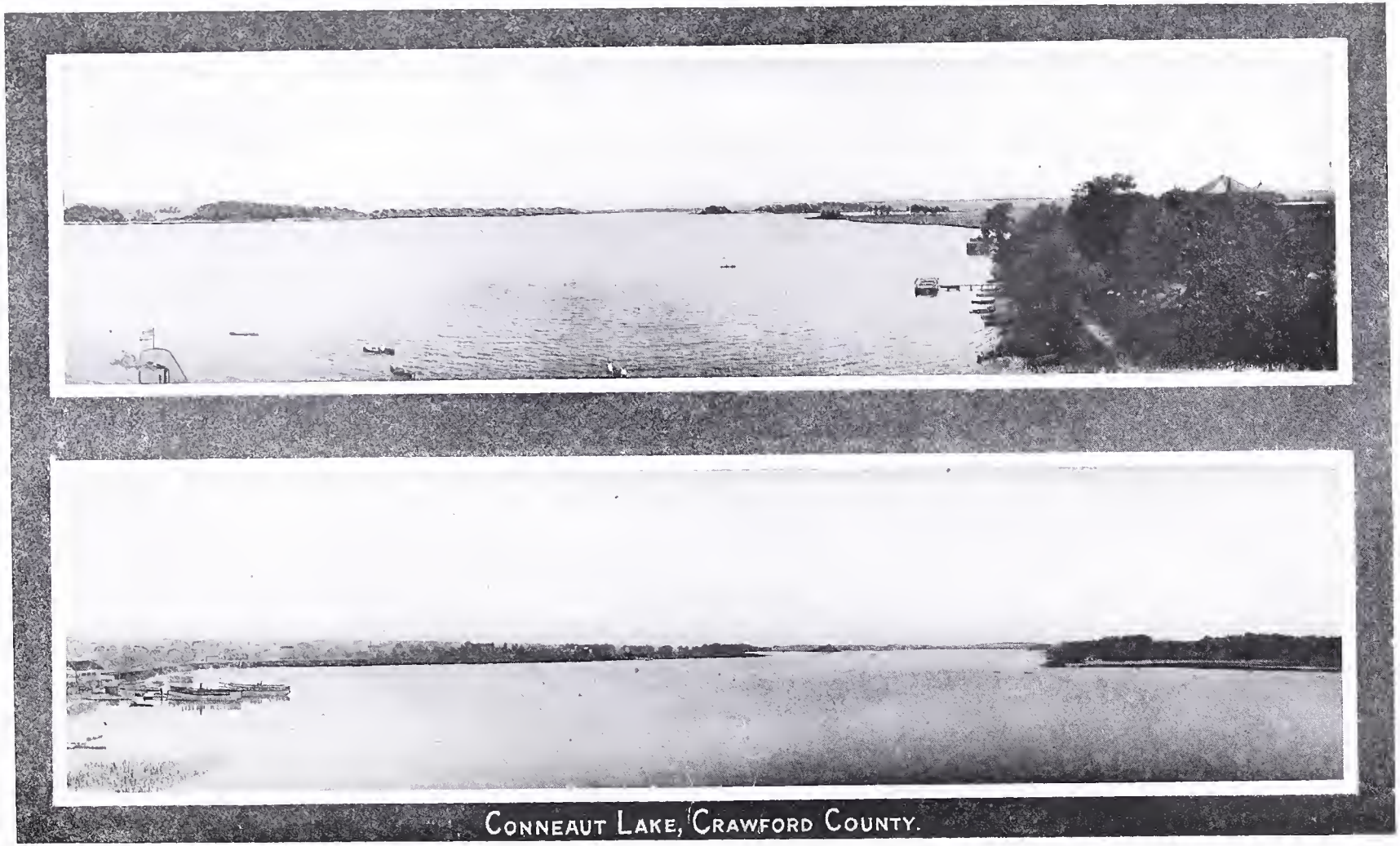
Name	County	Size in Acres
Conneaut Lake,	Crawford,	928.5
Harvey Lake,	Luzerne,	658.6
Lower Shohola Falls Dam or Lake Hilliard,	Pike,	569.9
Pocono Lake,	Monroe,	510.3
Promise Land Pond,	Pike,	422.3
Crystal Lake,	Luzerne,	420.0
Pecks Pond,	Pike,	309.0
Lake Jean,	Luzerne-Sullivan,	296.0
Stillwater Lake,	Monroe,	272.2
Lake Carey,	Wyoming,	262.6
Lake Henry,	Wayne,	256.4
Stanton Pond or Lake Ladore,	Wayne,	255.4
Big Brink Pond,	Pike,	253.2
Lake Ariel,	Wayne,	252.2
Lake Naomi,	Monroe,	251.1
North Jersey Lake,	Monroe-Wayne,	250.2
Conneautte Lake,	Erie,	247.0
Lake Scranton,	Lackawanna,	225.2
Porters Lake,	Pike,	224.0

Geographically the lakes and ponds of Pennsylvania of 20 acres or over, listed in this Gazetteer, are found principally in the northeastern portion, the counties of Wayne, Susquehanna, Pike, Lackawanna, Luzerne, Monroe, Wyoming, Sullivan and Bradford containing 95 per cent of the total number and 90 per cent of the total acreage; the remainder, with the exception of one each in Carbon, Dauphin, Fayette and York are located in the northwestern part, in Crawford, Erie and Mercer counties.

The distribution and total surface area in each county are shown in Table No. 2.

Table No. 2—Distribution and Acreage of Lakes Over 20 Acres by Counties

County	Number	Total Lake Area in Acres
Bradford,	5	192.5
Carbon,	1	110.0
Crawford,	4	1,306.0
Dauphin,	1	135.3
Erie,	3	377.0
Fayette,	1	77.0
Lackawanna,	26	1,865.4
Luzerne,	20	2,469.3
Mercer,	2	170.6
Monroe,	19	2,226.4
Pike,	41	4,695.6
Sullivan,	6	461.1
Susquehanna,	44	2,064.5
Wayne,	73	4,780.4
Wyoming,	9	813.9
York,	1	24.2
Total,	256	21,759.3



Two views of Conneaut Lake, Crawford County
(See page 9)

The total lake area listed in this gazetteer is less than one-tenth of one per cent of that of the State. The greatest area of lake surface is found in Wayne County, the next (almost equal) is in Pike County, the third is in Luzerne County with about one-half that of Wayne. Of the total lake area in the State, between one-third and one-half is in the two first-named counties.

By reason of the location of these lakes and ponds near the head-waters of small streams, the tributary drainage area is limited and in like manner and to a like extent the opportunity to secure storage for water power, water supply or stream regulation. These lakes which lie near growing towns may be utilized for water supply to a moderate extent, but even here the risk of pollution of the water is such as to render the experiment of doubtful value, while the multiplication of pleasure resorts and the increasing demands for camping and outing purposes have caused an increase in land values already sufficient to render many otherwise promising ventures commercially uninviting. Ice harvesting and the subsequent shipment of the crop is a leading industry about many of these lakes and ponds, the extent of the business in Monroe County justifying the use of modern methods and the large cities within easy transportation distance furnishing satisfactory markets.

A bill was presented to the General Assembly of 1913, carrying an appropriation and providing for the purchase by the State of lakes and ponds, evidently with the idea that they should be preserved in connection with parks for the use of the public. While the bill failed of passage, it is believed that the project is worthy of future consideration and sufficient warrant for immediate action lies in the fact that the value of these lakes is rapidly rising.

In the following pages are listed 424 lakes and ponds with a total surface area of 23,531.3 acres. Those of 20 acres or more area are described in detail, while 168 smaller ones are covered in less detail. For convenience, they are arranged alphabetically in gazetteer form.

ADAMS LAKE

Location—East central Buckingham Township, northeastern Wayne County, on small branch of Delaware River, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1220 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—13.0 acres.

ADAMS POND; also called WILLIAMS LAKE

Location—Central Berlin Township, east central Wayne County, on branch of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.6 square miles.

Elevation—1255 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; maximum length 4,060 feet; maximum width 1,400 feet.

Area—83.0 acres.

Capacity—491 acre-feet or 160,000,000 gallons.

Depth—Prevailing 12 feet; maximum 23 feet.

Dam—Dry stone wall, 100 feet long, 14 feet high, faced with concrete. A spillway is provided.

Topography—Gradually rising ground on all sides reaching maximum height of 40 feet. One side exceedingly swampy; public road parallels another side. About 50% of surrounding country covered with second growth timber, 50% cultivated. Old mill and dwelling below dam on outlet.

Inlet—Fed by springs.

Outlet—Branch of Mast Hope Creek, 10 feet wide, 2 feet deep, flowing through rocky channel.

Utilization—Private ice supply and summer resort; originally used as water power for sawmill.

Navigation—Rowboats.

Opportunity for Storage—Good; high, steep banks at outlet.

Ownership—A. J. Williams, Beachlake, claims control.

AFTON LAKE

Location—East central Lower Makefield Township, east central Bucks County, on Headley Creek, Middle Delaware Sub-basin.

Area—Approximately 5 acres.

ALPHYS POND

Location—West central Paupack Township, southeastern Wayne County on branch of Lakeville Creek, Upper Delaware Sub-basin.

Type—Artificial.

Elevation—1290 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—16.4 acres.

ANALOMINK LAKE; old name BRAYS LAKE

Location—Northern Stroud Township, east central Monroe County, on branch of Brodheads Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.0 square mile.

Elevation—638 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular, long and narrow, maximum length 2,120 feet, maximum width 590 feet.

Area—21.3 acres.

Capacity—70 acre-feet or 23,000,000 gallons.

Depth—Prevailing 5 feet; maximum 9 feet.

Dam—Vertical dry stone wall 285 feet long, 11 feet high, backed with earth and stone fill. A concrete and masonry spillway provided.

Topography—Surrounding hills rising gradually from water edge to maximum height of 80 feet; 90% covered with second growth timber and brush, 10% under cultivation.

Inlet—Small stream, 6 feet wide, 6 inches deep, flowing through swampy ground near lake. Several other small streams drain into lake but are dry during summer months.

Outlet—Small stream, 12 feet wide, one foot deep, flows through rocky ravine one mile to its confluence with Brodheads Creek.

Utilization—Ice harvesting.

Navigation—Rowboats.

Opportunity for Storage—None; low land around inlet of lake, only four feet difference in elevation between water surface and top of divide, a short distance away.

Ownership—The Analomink Ice Co.

ANGLEWOOD LAKE

Location—Western Tobyhanna Township, northwestern Monroe County, on Wagners Branch Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 0.9 square mile.

Elevation—1696 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular, maximum length 3,200 feet; maximum width 1,110 feet.

Area—47.2 acres.

Capacity—211 acre-feet or 69,000,000 gallons.

Depth—Prevailing 6 feet; maximum 14 feet.

Dam—Earth and stone embankment about 650 feet long, maximum height 20 feet. A stone spillway and timber sluiceway provided.

Topography—Lake surrounded generally by low, flat ground rising to a maximum height of 125 feet on north side; 60% covered with second growth timber, 40% under cultivation. Ice house, dwelling, barn and several sheds 5 to 15 feet above water surface.

Inlet—Wagners Branch Creek, 10 feet wide, 2 feet deep, flowing through rocky channel, free of debris; also fed by springs.

Outlet—Wagners Branch Creek, 15 feet wide, 2 feet deep, flowing through rocky channel, full of debris.

Utilization—Ice harvesting, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—J. W. Carroll & Co. claims control.

AQUATON LAKE

Location—At Ingham Springs, central Solebury Township, east central Bucks County, Middle Delaware Sub-basin.

Area—Approximately 15 acres.

ARIEL, LAKE

Location—Central Lake Township, southwestern Wayne County, on Ariel Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 3.4 square miles.

Elevation—1410 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, very irregular; maximum length 8,050 feet; maximum width 2,350 feet.

Area—252.2 acres.

Capacity—4,116 acre-feet or 1,341,000,000 gallons.

Depth—Prevailing 28 feet; maximum 42 feet.

Dam—None.

Topography—Surrounding country generally low, rising to maximum height of approximately 60 feet; about 50% covered with second growth timber, 50% cultivated. Public road parallels two sides of lake. Numerous summer cottages, hotels and boat houses, also several ice houses, along shore; village of Ariel near lake.

Inlet—Ariel Creek, 4 feet wide, 6 inches deep, flowing through open channel. Also fed by springs.

Outlet—Ariel Creek, 12 feet wide, one foot deep, flowing through rocky channel.

Utilization—Ice harvesting and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low ground and valuable real estate improvements around shore.

Ownership—Several persons claim control.

ARTHUR LAKE (See BIG POND)

BAIRDS LAKE (See GORMAN POND)

BALL POND

Location—Northern Ararat Township, east central Susquehanna County, on West Branch Lackawanna River, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1983 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—15.4 acres.

BARKLEY LAKE (See GORMAN POND)

BARMORE LAKE

Location—Southwestern Pine Township, southeastern Mercer County, on Barmore Run, Main Ohio Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.0 square mile.

Elevation—1231 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 2,275 feet; maximum width 820 feet.

Area—20.9 acres.

Capacity—86 acre-feet or 28,000,000 gallons.

Depth—Prevailing 6 feet; maximum 8 feet.

Dam—Earth and stone embankment, 12 feet high, with concrete core wall. Spillway 25 feet long provided.

Topography—Generally low ground rising gradually on all sides, reaching a maximum height of 60 feet; approximately 10% covered with second growth timber, 90% cultivated. One end of lake slightly marshy. Public road parallels one side. Two cottages on shore 25 feet above water surface.

Inlet—Small stream 2 feet wide, 1 foot deep, flowing through marshy ground. Fed principally by springs.

Outlet—Barmore Run, 12 feet wide, 3 feet deep, flowing through clean channel.

Utilization—Ice harvesting and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; high banks at outlet.

Ownership—Barmore Lake Park Assn., Grove City, claims control, not limited to shore line. Grove City Ice Co. leases water rights for ice purposes.

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BASSETT POND or BASSETT, LAKE

Location—Central Benton Township, northwestern Lackawanna County, on tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam flooded considerable additional area.

Drainage Area—Approximately 0.4 square mile.

Elevation—1210 (Bar.) referred to U. S. G. S. datum.

Shape—Oval, irregular; maximum length 2,420 feet; maximum width 1,400 feet.

Area—39.8 acres.

Capacity—501 acre-feet or 163,000,000 gallons.

Depth—Prevailing 22 feet; maximum 42 feet.

Dam—Vertical dry stone wall about 50 feet long, 6 feet high, backed with earth and stone fill. Stone spillway provided.

Topography—Land on two sides rises gradually to maximum height of 150 feet; approximately 20% covered with second growth timber, 80% under cultivation. Other sides of lake low and marshy. One dwelling on shore 15 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary of South Branch Tunkhannock Creek, 10 feet wide, one foot deep, flowing through rocky channel, free of debris.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Private control.

BAYLETT POND

Location—West central Terry Township, southeastern Bradford County, on branch of Sugar Run Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 8 acres.

BAYLOR POND (See FINN POND)

BEAN POND (See BOWMANS POND)

BEAN POND (See MT. SPRING DAM NO. 2)

BEAR CREEK ICE CO'S. DAM NO. 1

Location—Central Bear Creek Township, east central Luzerne County, on Bear Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 31.5 square miles.

Elevation—1570 (Bar.) referred to U. S. G. S. datum.

Shape—Long and regular; maximum length 3,830 feet; maximum width 1,000 feet.

Area—63.4 acres.

Capacity—357 acre-feet or 116,000,000 gallons.

Depth—Prevailing 10 feet; maximum 20 feet.

Dam—Timber-crib, 315 feet long, 17 feet high, with earth and stone fill. Timber spillway 165 feet by 3 feet with sluiceway in center provided for regulation of height of water.

Topography—Lake lies between two ranges of hills, rising gradually to maximum height of 200 feet. Railroad parallels one side, 15 feet above water surface. Public road on opposite side, 6 feet above water surface. Practically entire surrounding country covered with second growth timber. Two ice houses and six boat houses on shore 1 to 6 feet above water surface; 6 summer cottages on outlet below dam.

Inlets—Bear Creek, 22 feet wide, 2 feet deep, flowing through clean rocky channel. Small stream 8 feet wide, 1 foot deep, flowing through clean gravelly channel.

Outlet—Bear Creek, 30 feet wide, 2 feet deep, flowing through clean rocky channel.

Utilization—Ice harvesting and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Bear Creek Ice Co., Bear Creek, claims control.

BEAR CREEK ICE CO'S. DAM NO. 2

Location—Central Bear Creek Township, east central Luzerne County, on Bear Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 21.3 square miles.

Elevation—1600 (Bar.) referred to U. S. G. S. datum.

Shape—Irregular; maximum length 1,710 feet; maximum width 600 feet.

Area—20.0 acres.

Capacity—99 acre-feet or 32,000,000 gallons.

Depth—Prevailing 9 feet; maximum 12 feet.

Dam—Timber-crib 250 feet long, 20 feet high, with earth and stone fill. A timber spillway, 200 feet long by 2 feet deep.

Topography—Hills on three sides rising to maximum height of 200 feet. Railroad parallels one side and public road the opposite side from 10 to 15 feet above water surface. One ice house and a farm house on shore, 30 feet above water surface. About 75% of surrounding country covered with second growth timber, 25% under cultivation.

Inlet—Bear Creek, 25 feet wide, 1 foot deep, flowing through rocky channel, free of debris.

Outlet—Bear Creek, 20 feet wide, 2 feet deep, flowing through rocky channel, free of debris.

Utilization—Ice harvesting.

Navigation—Rowboats.

Opportunity for Storage—None, due to character of ground at outlet.

Ownership—Bear Creek Ice Co., Bear Creek, claims control.

BEAR CREEK ICE CO'S. DAM NO. 3

Location—Northern Bear Creek Township, east central Luzerne County, on Bear Creek, Middle Delaware Sub-basin.

Type—Artificial.

Elevation—1615 (Bar.) referred to U. S. G. S. datum.

Area—15.4 acres.

BEAR CREEK ICE CO'S. DAM NO. 4

Location—Northeastern Bear Creek Township, east central Luzerne County, on Meadow Run, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.0 square miles.

Elevation—1995 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 3,050 feet; maximum width 730 feet.

Area—33.4 acres.

Capacity—292 acre-feet or 95,000,000 gallons.

Depth—Prevailing 12 feet; maximum 17 feet.

Dam—Vertical dry stone wall, 325 feet long, 15 feet high, backed with earth and stone fill. Spillway, 20 feet long, 3.5 feet deep, and outlet flume provided for regulation of height of water.

Topography—Low ground on all sides rising gradually from water edge, reaching maximum height of 200 feet on east side, approximately 75% wooded with second growth timber, 25% under cultivation. Railroad and public road parallel one side, 3 to 5 feet above water surface. One ice house and dwelling approximately 12 feet above water surface.

Inlet—Meadow Run, 4 feet wide, 6 inches deep, flowing through clean channel.

Outlet—Meadow Run, 6 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Ice harvesting and boating.

Navigation—Rowboats.

Opportunity for Storage—Could be increased slightly but would flood valuable property.

Ownership—Bear Creek Ice Co., Bear Creek, claims control.

BEAR CREEK ICE CO'S. DAM NO. 5; old name, BEAR LAKE

Location—Northeastern Bear Creek Township, east central Luzerne County, on Meadow Run, Middle Delaware Sub-basin.

Type—Originally natural.

Drainage Area—Approximately 1.4 square miles.

Elevation—2005 (Bar.) referred to U. S. G. S. datum.

Shape—Irregular; maximum length 3,330 feet; maximum width 1,060 feet.

Area—57.3 acres.

Capacity—615 acre-feet or 200,000,000 gallons.

Depth—Prevailing 9 feet; maximum 14 feet.

Dam—Vertical dry stone wall, 450 feet long, 18 feet high, backed with earth and stone fill. Circular outlet flume.

Topography—Lake lies between two ranges of hills rising gradually to maximum height of 100 feet. Two ice houses on shore. Entire surrounding country covered with second growth timber.

Inlet—Meadow Run, 3 feet wide, 6 inches deep, flowing through clean channel.

Outlet—Meadow Run, 4 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Ice harvesting.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Bear Creek Ice Co., Bear Creek, claims control.

BEAR LAKE (See page 30)

Location—Central Lehigh Township, south central Lackawanna County, on Pond Creek, Middle Delaware Sub-basin.

Type—Originally natural; dam flooded small additional area.

Drainage Area—Approximately 1.8 square miles.

Elevation—1870 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 4,915 feet; maximum width 2,935 feet.

Area—134.6 acres.

Capacity—1,612 acre-feet or 525,000,000 gallons.

Depth—Prevailing 18 feet; maximum 30 feet.

Dam—Concrete, 15 feet long, 4 feet high.

Topography—Surrounding country rises gradually to maximum height of 200 feet; approximately 90% covered with second growth timber, 10% under cultivation. Forty summer cottages, one lodge and six boat houses located on shore of lake 1 to 20 feet above water surface.

Inlet—Fed by springs.

Outlet—Pond Creek, 8 feet wide, 1 foot deep, flowing through rocky channel, free of debris.

Utilization—Private ice and water supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low land at outlet.

Ownership—Bear Lake Assn., Wilkes-Barre, claims control.

BEAR LAKE

Location—Northwestern Freehold Township, northwestern Warren County, on branch of Little Brokenstraw Creek, Upper Allegheny Sub-basin.

Area—Approximately 11 acres.

BEAVER DAM

Location—North central Buckingham Township, north central Wayne County, on small branch of Delaware River, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1290 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—11.0 acres.

BEAVER LAKE

Location—Northern Blooming Grove Township, central Pike County, on branch of Shohola Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1414 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—18.7 acres.

BEAVER LAKE

Location—Northeastern Penn Township, east central Lycoming County, on branch of Beaverdam Run, Lower West Branch Susquehanna Sub-basin.

Area—Approximately 6 acres.

BEAVER POND or LOBEZ POND

Location—North Preston Township, northwestern Wayne County, on Starrucca Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 6.9 square miles.

Elevation—1515 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Long and irregular; maximum length 2,115 feet; maximum width 575 feet.

Area—20.3 acres.

Capacity—35 acre-feet or 11,000,000 gallons.

Depth—Prevailing 3 feet; maximum 6 feet.

Dam—Vertical dry stone wall, 100 feet long, 12 feet high, backed with earth and stone fill. Timber stop-log sluiceway controls head of about 10 feet.

Topography—Pond lies between two ranges of hills rising rapidly from water edge. Approximately 50% of surrounding country covered with second growth timber, 50% under cultivation.

Inlet—Starrucca Creek, 3 feet wide, flowing through marshy ground. Also fed by springs.

Outlet—Starrucca Creek, 7 feet wide, flowing through open channel.

Utilization—Private ice supply and boating. Originally used as power for mill.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—A. Lobez, Shehawken, claims control.

BEAVER DAM LAKE

Location—Central Delaware Township, south central Pike County, on Dingmans Creek, Upper Delaware Sub-basin.

Type—Artificial.

Elevation—1174 (Bar.) referred to U. S. G. S. datum.

Shape—Long and narrow, irregular, approximately 1500 feet long, maximum width 225 feet.

Area—Approximately 10 acres.

BEAVER MEADOW DAM (See BELMONT LAKE)

BEAVER RUN CLUB DAM

Location—Central Porter Township, south central Pike County, on Big Bushkill Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—31.0 square miles.

Elevation—1215 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular, maximum length 5,320 feet; maximum width 1,145 feet.

Area—78.0 acres.

Capacity—609 acre-feet or 199,000,000 gallons.

Depth—Prevailing 6 feet; maximum 11 feet.

Dam—Timber-crib, approximately 35 feet long, 6 feet high, with earth and stone fill; all spillway.

Topography—Lake is part of swampy ground with snags and stumps protruding above water surface. Ground on all sides rises abruptly, reaching maximum height of 100 feet; practically covered with second growth timber. Club house and barn located near lake, 15 to 20 feet above water surface. Boat houses at water edge.

Inlets—Big Bushkill Creek, 30 feet wide, 1 to 3 feet deep, flowing through rocky channel full of debris. Beaver Run, 8 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Big Bushkill Creek, 30 feet wide, 1 to 3 feet deep, flowing through rocky channel full of debris.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; high banks at outlet.

Ownership—Beaver Run Club claims control.

BEECH LAKE

Location—North Berlin Township, east central Wayne County, on Mast Hope Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—2.2 square miles.

Elevation—1420 (Bar.) referred to State Highway Department levels rom U. S. G. S. datum.

Shape—Long, very irregular; maximum length 4,900 feet; maximum width 2,000 feet.

Area—110.6 acres.

Capacity—1,191 acre-feet or 388,000,000 gallons.

Depth—Prevailing 19 feet; maximum 26 feet.

Dam—None.

Topography—Surrounding country generally low, rising on south side to maximum height of 40 feet; 50% covered with second growth timber and brush, 50% under cultivation. Six cottages on shore and small village located near lake.

Inlet—Mast Hope Creek, 4 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Mast Hope Creek, 4 feet wide, 1 foot deep, flowing through rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Oportunity for Storage—None; flat country at outlet.

Ownership—Private control.

BEECH POND (LITTLE)

Location—Northeastern Berlin Township, east central Wayne County, on branch of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1385 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—16.6 acres.

BEECHES POND

Location—Central Dimock Township, central Susquehanna County, on branch of Meshoppen Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 3 acres.

BELLE, LAKE

Location—Eastern Greene Township, west central Pike County, on branch of Wells Creek, Upper Delaware Sub-basin.

Type—Originally natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1617 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 2,625 feet; maximum width 935 feet.

Area—40.1 acres.

Capacity—502 acre-feet or 164,000,000 gallons.

Depth—Prevailing 18 feet; maximum 30 feet.

Dam—Old dilapidated timber dam.

Topography—Lake lies in small valley in mountains, ground rising steeply on two sides, reaching maximum height of approximately 250 feet. Surrounding country densely wooded with second growth timber and brush. One fishermen's shelter on shore 5 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Wells Creek, 4 to 6 feet wide, 6 inches deep, flowing through rocky channel full of debris.

Utilization—Private boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Blooming Grove Hunting & Fishing Club claims control.

BELMONT LAKE or BEAVER MEADOW DAM

Location—Northern Mount Pleasant Township, northwestern Wayne County, on West Branch Lackawaxen River, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 0.8 square mile.

Elevation—1795 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Long, rather irregular; maximum length 5,300 feet; maximum width 1,405 feet.

Area—100.2 acres.

Capacity—493 acre-feet or 161,000,000 gallons.

Depth—Prevailing 10 feet; maximum 13 feet.

Dam—Vertical dry stone wall, 450 feet long, 25 feet high, backed with earth and stone fill. Concrete spillway 7 feet wide by 10 feet deep, with stop-logs.

Topography—Surrounding country generally low, rising to a maximum height of 30 feet; covered with second growth timber. Stumps and snags protruding above the water surface of lake.

Inlet—Fed by springs.

Outlet—West Branch Lackawaxen River, 10 feet wide, flowing swiftly through rocky channel.

Utilization—Stock pond of State Fishery. Originally used as feeder for D. & H. Canal.

Navigation—None.

Opportunity for Storage—Could be increased; high banks at outlet.

Ownership—Commonwealth of Pennsylvania, under jurisdiction of Department of Fisheries.

BIDWELL POND

Location—Central Salem Township, southwestern Wayne County, on branch of Wallenpaupack Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 3.6 square miles.

Elevation—1430 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 3,060 feet; maximum width 1,770 feet.

Area—70.5 acres.

Capacity—1,508 acre-feet or 491,000,000 gallons.

Depth—Prevailing 41 feet; maximum 50 feet.

Dam—None at present; old dam destroyed.

Topography—High ground on all sides rising gradually from water edge reaching maximum height of 100 feet. Entire surrounding country covered with second growth timber. Two summer cottages on shore.

Inlet—Branch of Wallenpaupack Creek, 6 feet wide, 1 foot deep, flowing through open channel.

Outlet—Branch of Wallenpaupack Creek, 15 feet wide, 2 feet deep, flowing through open channel.

Utilization—Private ice supply, summer resort and Y. M. C. A. camp site.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Private control.

BIG POND or HARMONY, LAKE

Location—Northeastern Kidder Township, northeastern Carbon County, on headwaters of branch of Tunkhannock Creek, Middle Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.8 square miles.

Elevation—1630 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and triangular, irregular; maximum length 4,900 feet; maximum width 2,000 feet.

Area—110.0 acres.

Capacity—1,342 acre-feet or 437,000,000 gallons.

Depth—Prevailing 22 feet; maximum 31 feet.

Dam—None.

Topography—Surrounding country low with few hills, ground rising gradually reaching maximum height of approximately 60 feet. Practically entire watershed covered with second growth timber. Fourteen summer cottages and six ice houses, 5 to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Tunkhannock Creek, 10 feet wide, 1 foot deep, flowing through marshy ground, channel strewn with debris.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Could be increased due to topography at outlet, but with considerable damage to roads and cottages.

Ownership—Private control.

BIG POND or FAIRVIEW, LAKE; also called ARTHUR, LAKE and JONES LAKE

Location—Eastern Palmyra Township, northwestern Pike County, on Blooming Grove Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.6 square miles.

Elevation—1521, referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 5,600 feet; maximum width 2,760 feet.

Area—194.8 acres.

Capacity—3,678 acre-feet or 1,198,000,000 gallons.

Depth—Prevailing 26 feet; maximum 49 feet.

Dam—Timbers, resting against abutments of highway bridge, backed with earth fill, 13 feet long, 2 feet high. Entire length of dam is spillway.

Topography—Hills on all sides rising gradually to maximum height of approximately 125 feet; 98% covered with second growth timber, 2% under cultivation. Boat houses and summer cottages located around shore, 2 to 15 feet above water surface.

Inlet—Small stream, 4 feet wide, 1 foot deep, flowing through slightly marshy ground. Fed principally by springs.

Outlet—Blooming Grove Creek, 15 feet wide, 1 to 2 feet deep, flowing through gravelly channel free of debris. .

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Could be increased, but with damage to valuable property around lake.

Ownership—Several real estate companies, and persons claim control.

BIGELOW LAKE

Location—North central Mount Pleasant Township, northwestern Wayne County, on Johnson Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.0 square miles.

Elevation—1560 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Triangular, irregular; maximum length 2,210 feet; maximum width 970 feet.

Area—36.0 acres.

Capacity—397 acre-feet or 129,000,000 gallons.

Depth—Prevailing 22 feet; maximum 24 feet.

Dam—None.

Topography—Surrounding country slopes gradually to water edge; about 50% covered with second growth timber, 50% under cultivation.

Inlet—Johnson Creek, 4 feet wide, flowing through clean channel.

Outlet—Johnson Creek, 4 feet wide, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Could be increased.

Ownership—Several persons claim control.

BIGSBYS POND

Location—Southeastern Middletown and northeastern Rush townships, west central Susquehanna County, on tributary of Middle Branch Wyalusing Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1342 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—15.7 acres.

BILLINGS POND

Location—North central Wyalusing Township, east central Bradford County, on small branch of Wyalusing Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 3 acres.

BILLINGS POND

Location—Central Blooming Grove Township, west central Pike County, on Brushy Bridge Run, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.3 square miles.

Elevation—1321 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 3,285 feet; maximum width 815 feet.

Area—42.5 acres.

Capacity—93 acre-feet or 30,000,000 gallons.

Depth—Prevailing 4 feet; maximum 7 feet.

Dam—Timber-crib, 109 feet long, 9 feet high, with earth and stone fill. A timber spillway 15 feet by 1 foot.

Topography—Entire water surface area and watershed covered with timber and stumps. Surrounding country generally low, rising, however, on north to maximum height of approximately 100 feet.

Inlet—Brushy Bridge Run, 9 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Brushy Bridge Run, 10 to 12 feet wide, 1 foot deep, flowing through rocky channel strewn with debris.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Several persons claim control.

BIRDS POND

Location—Northwestern Madison Township, east central Lackawanna County, on tributary of West Branch of Wallenpaupack Creek, Upper Delaware Sub-basin.

Area—Approximately 7 acres.

BLACK POND

Location—Central Sheshequin Township, central Bradford County, on Mill Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 0.8 square mile.

Elevation—1255 (Bar.) referred to L. V. R. R. levels.

Shape—Oval, regular; maximum length 1,800 feet; maximum width 825 feet.

Area—26.7 acres.

Capacity—156 acre-feet or 51,000,000 gallons.

Depth—Prevailing 10 feet; maximum 14 feet.

Dam—Dry masonry wall, 180 feet long, 12 feet high with earth and stone fill. Wooden box-culvert outlet provided.

Topography—Hills on three sides rising gradually from water edge to maximum height of 150 feet. Public road follows one side, 10 to 20 feet above water surface. Entire surrounding country under cultivation. Several farm houses near lake, 20 to 30 feet above water surface.

Inlet—Mill Creek, 3 feet wide, 6 inches deep, flowing through clean channel.

Outlet—Mill Creek, 4 feet wide, 6 inches deep, flowing over gravel bed, free of debris with good fall.

Utilization—Boating, fishing and private ice supply.

Navigation—Rowboats.

Opportunity for Storage—Good, due to topography at outlet.

Ownership—J. H. Shores Est., Towanda, claims control.

BLACKS POND

Location—South central Liberty Township, south central Tioga County, on Blacks Creek, Middle West Branch Susquehanna Sub-basin.

Area—Approximately 6 acres.

BLANDING LAKE

Location—Northeastern Harford Township, central Susquehanna County, on branch of Butler Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1504 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—14.3 acres.

BLYTHEBURN DAM

Location—Northeastern Butler Township, south central Luzerne County, on branch of Nescopeck Creek, Lower North Branch Susquehanna Sub-basin.

Area—Approximately 15 acres.

BLYTHEBURN LAKE DAM

Location—West central Wright Township, central Luzerne County, on branch of Little Wapwallopen Creek, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 0.5 square mile.

Elevation—1150 referred to U. S. G. S. datum.

Area—45.0 acres.

Capacity—Estimated, 60,000,000 gallons.

Dam—Earthen embankment, 520 feet long, 10 feet maximum height, with concrete core-wall. Spillway and outlet pipe provided.

Topography—Surrounded by flat table-land partly cultivated, partly wooded.

Inlet—Tributary to Little Wapwallopen Creek.

Outlet—Tributary to Little Wapwallopen Creek.

Utilization—Pleasure purposes and boating.

Navigation—Rowboats.

Opportunity for Storage—None; low surrounding ground.

Ownership—Thomas and Welles, claim control.

BONE POND or SUMMIT LAKE

Location—West central Preston Township, northwestern Wayne County, on small tributary of East Branch Lackawanna River, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.1 square mile.

Elevation—2040 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, regular; maximum length 3,050 feet; maximum width 705 feet.

Area—38.4 acres.

Capacity—271 acre-feet or 88,000,000 gallons.

Depth—Prevailing 14 feet; maximum 18 feet.

Dam—None.

Topography—Surrounded by low marshy ground; maximum rise about 20 feet; practically all under cultivation. One ice house on shore and Borough of Poyntelle on high ground nearby.

Inlet—Fed by springs.

Outlet—Tributary East Branch of Lackawanna River, 7 feet wide, flowing through channel full of debris.

Utilization—Ice harvesting, summer resort and local water supply.

Navigation—Rowboats.

Opportunity for Storage—None due to N. Y. O. & W. R. R.

Ownership—Poyntelle & Orson Ice Co. claims control.

BOWMANS POND or BEAN POND

Location—Northwestern Ross Township, northwestern Luzerne County, on North Branch Bowman Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—11.6 acres.

BOYDS POND

Location—Southwestern Damascus Township, east central Wayne County, on Calkins Creek, Upper Delaware Sub-basin.

Type—Artificial.

Elevation—1510 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—18.3 acres.

BRAYS LAKE (See ANALOMINK LAKE)

BREECHES POND (See WINOLA, LAKE)

BREWSTER LAKE

Location—Southern Bridgewater Township, central Susquehanna County, on branch of Meshoppen Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 12 acres.

BRIGHT POND

Location—Northern Tobyhanna Township, northwestern Monroe County, on branch of Tobyhanna Creek, Middle Delaware Sub-basin.

Type—Natural.

Area—Approximately 7 acres.

Bear Lake, Lackawanna County
(See page 19)

Comforts Pond, Susquehanna County
(See page 45)

BRINK PONDS, BIG and LITTLE; also called TWIN LAKES

Location—Southern Shohola Township, east central Pike County, on Big Pond Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.7 and 2.9 square miles respectively.

Elevation—1,340, referred to U. S. G. S. datum.

Shape—Oval, irregular; maximum lengths, 4,600 feet and 2,315 feet respectively; maximum widths 3,465 feet and 1,290 feet respectively.

Area—253.2 and 41.2 acres respectively.

Capacity—3802 and 584 acre-feet or 1,239,000,000 and 190,000,000 gallons respectively.

Depth—Prevailing 20 and 24 feet respectively; maximum 27 and 43 feet respectively.

Dam—Vertical dry stone wall, 100 feet long, 5 feet high, backed with earth and stone fill. A concrete outlet opening with wooden gate provides for regulation of height of water; the water can be regulated for an additional height of 5 feet.

Topography—Ground rises gradually to maximum height of 200 feet. Approximately all surrounding country covered with second growth timber. One hotel, several cottages and an ice house located near Little Brink Pond, all from 6 to 20 feet above water surface.

Inlet—Fed by springs; also small stream, 10 feet wide, 1 to 2 feet deep, flows through marshy ground into Big Brink Pond.

Outlet—Ponds are connected by artificial canal 5 feet wide, 1 foot deep and 125 feet long, spanned by wooden bridge. Big Pond Creek, 4 feet wide, 1.5 feet deep, with good slope drains Big Brink Pond. It is claimed that there is subterranean connection between these ponds.

Utilization—Private ice supply, private summer home, and regulation of Pond Creek which supplies water to stone cutting works, 5 miles below at Parkers Glen.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control. Mr. Kilgore, owner of stone cutting works, controls water right for storage and supply.

BROOKLAND POND

Location—Ulysses Township, northeastern Potter County, Middle West Branch Susquehanna Sub-basin.

Area—Approximately 2 acres.

BROWNS POND or PERRINS MARSH

Location—Partly in northwestern Franklin Township, northeastern Luzerne County and partly in southern Northmoreland Township, southeastern Wyoming County, on branch of North Branch Susquehanna River, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.9 square miles.

Elevation—1190 (Bar.) referred to U. S. G. S. datum.

Shape—Oval, rather irregular; maximum length 2,370 feet; maximum width 1,585 feet.

Area—65.6 acres.

Capacity—215 acre-feet or 70,000,000 gallons.

Depth—Prevailing 5 feet; maximum 8 feet.

Dam—Vertical dry stone wall, 200 feet long, 14 feet high, backed with earth and stone. A spillway provided, 50 feet by 1 foot.

Topography—Gradually rising ground on three sides reaching maximum height of 150 feet. Two sides of lake marshy and full of stumps; public road parallels two sides approximately 1 foot to 40 feet above water surface. Almost all surrounding country covered with second growth timber. Two farm houses near pond, approximately 20 feet above water surface.

Inlet—Branch of North Branch Susquehanna River, 3 feet wide, 6 inches deep, flowing through marshy, debris-filled channel. Also fed by springs.

Outlet—Branch of North Branch Susquehanna River, 8 feet wide, 6 inches deep, flowing swiftly through clean rocky channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Several persons claim control.

BRUCE, LAKE; old name ROOTS POND

Location—Western Blooming Grove Township, west central Pike County, on branch of Shohola Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1821 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Rectangular, irregular, maximum length 2,520 feet; maximum width 1,070 feet.

Area—47.6 acres.

Capacity—347 acre-feet or 113,000,000 gallons.

Depth—Prevailing 10 feet; maximum 20 feet.

Dam—None.

Topography—Lake near top of ridge of hills; gradually rising ground on three sides, reaching maximum height of 75 feet. Entire surrounding country covered with second growth timber.

Inlet—Fed by springs.

Outlet—Branch of Shohola Creek, 10 feet wide, 1 foot to 1.5 feet deep, flowing through marshy ground for short distance from lake.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Commonwealth of Pennsylvania and Blooming Grove Hunting and Fishing Club.

BRUNSONS POND

Location—Western South Canaan Township, west central Wayne County, on branch of Middle Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.3 square miles.

Elevation—1350 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, very irregular; approximate diameter 1,700 feet.

Area—54.2 acres.

Capacity—382 acre-feet or 124,000,000 gallons.

Depth—Prevailing 12 feet; maximum 20 feet.

Dam—Timber-crib, 100 feet long, 10 feet high, with earth and stone fill; all spillway.

Topography—Generally low and flat ground on three sides. On north, ground rises gradually to height of 150 feet. Two sides of lake are exceedingly marshy. Entire surrounding country covered with second growth timber. One building below dam on outlet.

Inlet—Fed by springs.

Outlet—Branch of Middle Creek, 8 feet wide, 6 inches deep, flowing through rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet and low ground surrounding lake.

Ownership—J. W. Brunson, R. F. D., Waymart, claims control.

BUNNELLS POND

Location—Northeastern Texas Township, central Wayne County, on Carley Brook, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 12.3 square miles.

Elevation—980 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, regular; maximum length 3,300 feet; maximum width 890 feet.

Area—46.3 acres.

Capacity—174 acre-feet or 57,000,000 gallons.

Depth—Prevailing 10 feet; maximum 14 feet.

Dam—Stone masonry, 180 feet long, 12 feet high. Concrete spillway, 60 feet by 5 feet, and flume, 6 feet by 3 feet, provide regulation.

Topography—Surrounding country under cultivation, rising rapidly from water edge to maximum height of 80 feet. Public road parallels one side 4 feet above water surface. Slightly marshy at inlet. Three ice houses, six dwellings and other buildings near shore.

Inlet—Carley Brook; 10 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Carley Brook, 12 feet wide, 1 foot deep, flowing through open channel.

Utilization—Ice harvesting. Originally used as water power for mill.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; high banks at outlet.

Ownership—Honesdale Milling Co., Honesdale, claims control.

BURCHILL POND

Location—Southern Thomson Township, northeastern Susquehanna County, on branch of Starrucca Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 3 acres.

BURNS POND

Location—Southern Clinton Township, east central Wayne County, on small tributary of the Waymart Branch, Upper Delaware Sub-basin.

Area—Approximately 10 acres.

BUSHS POND

Location—Central Damascus Township, northeastern Wayne County, on Galilee Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 6.1 square miles.

Elevation—1175 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 1,890 feet; maximum width 875 feet.

Area—29.5 acres.

Capacity—70 acre-feet or 23,000,000 gallons.

Depth—Prevailing 4 feet; maximum 8 feet.

Dam—Timber-crib, 200 feet long, 10 feet high, filled with earth and stone. A spillway with provisions for flashboards controls a head of about 4 feet.

Topography—Pond lies between two ranges of hills rising to maximum height of 90 feet; approximately 50% covered with second growth timber, 50% cultivated. One dwelling on shore about 30 feet above water surface.

Inlet—Galilee Creek, 8 feet wide, 4 feet deep.

Outlet—Galilee Creek, 8 feet wide, 4 feet deep, flowing through clean channel.

Utilization—Private ice supply, boating, fishing, and water power for sawmill, using turbine wheel.

Navigation—Rowboats.

Opportunity for Storage—None; flat country at outlet.

Ownership—W. S. Bush, Damascus, claims control.

BUTLER LAKE

Location—Central Jackson Township, northeastern Susquehanna County, on Butler Creek, Upper North Branch Susquehanna Subbasin.

Type—Natural.

Drainage Area—1.2 square miles.

Elevation—1713 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, very irregular; diameter approximately 1,020 feet.

Area—24.5 acres.

Capacity—156.4 acre-feet or 51,000,000 gallons.

Depth—Prevailing 11 feet; maximum 13 feet.

Dam—None (Destroyed).

Topography—Gradually rising country on three sides reaching a maximum height of 100 feet; approximately 70% thinly wooded with second growth timber, 30% cultivated. A dam at one time caused considerably more area to be flooded; this area now a swamp which almost surrounds lake.

Inlet—Butler Creek, 5 feet wide and 1 foot deep, flowing through swampy ground.

Outlet—Butler Creek, 8 feet wide and 1 foot deep, flowing through swampy ground.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good, dam could be built at old site, approximately 2,500 feet below mouth of outlet.

Ownership—Private interests claim lake to shore line.

BUTLER POND

Location—Southeastern Lake Township, south central Wayne County, on branch of Lakeville Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.8 square miles.

Elevation—1500 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, irregular; approximate diameter 1,400 feet.

Area—43.9 acres.

Capacity—241 acre-feet or 79,000,000 gallons.

Depth—Prevailing 9 feet; maximum 11 feet.

Dam—Dry stone wall, 100 feet long, 8 feet high, with earth fill. Spillway regulates height of water.

Topography—Gradually rising ground on three sides reaching maximum height of 100 feet; about 50% under cultivation, 50% covered with second growth timber. Shore exceedingly marshy.

Inlet—Branch of Lakeville Creek, 5 feet wide, 6 inches deep, flowing through debris-filled channel in marshy ground.

Outlet—Branch of Lakeville Creek, 5 feet wide, 6 inches deep, flowing through debris-filled channel in marshy ground.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Emerson Frisbie, Ariel, claims control.

CADJAW POND

Location—Texas and Cherry Ridge townships, central Wayne County, on headwaters of branch of Lackawaxen River, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 0.7 square mile.

Elevation—1295 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and rectangular; maximum length 4,450 feet; maximum width 1,275 feet.

Area—89.2 acres.

Capacity—865 acre-feet or 282,000,000 gallons.

Depth—Prevailing 17 feet; maximum 26 feet.

Dam—Vertical dry stone wall, 300 feet long, 25 feet high, backed with earth and stone fill. Timber sluiceway, 13 feet by 8 feet, regulates height of water.

Topography—Pond lies between two ranges of hills, one side rising rapidly to maximum height of 120 feet. Public road parallels one side 10 to 20 feet above water surface. Practically entire surrounding country under cultivation.

Inlet—Fed by springs.

Outlet—Branch of Lackawaxen River, 6 feet wide, 1 foot deep, flowing through rocky channel.

Utilization—Private ice supply, boating and fishing; water supply for Honesdale, through 12-inch cast iron pipe.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private parties own land; not limited to shore line; the Honesdale Consolidated Water Co. leases water rights.

CAMP POND

Location—Southern Herrick Township, eastern Bradford County, on Camp Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.1 square miles.

Elevation—1285 (Bar.) referred to L. V. R. R. levels.

Shape—Long and narrow, rather irregular; maximum length 2,700 feet; maximum width 560 feet.

Area—28.0 acres.

Capacity—92 acre-feet or 30,000,000 gallons.

Depth—Prevailing 6 feet; maximum 9 feet.

Dam—Vertical dry stone wall, 100 feet long, 15 feet high, backed with earth and stone fill. Stone spillway, 20 feet by 2 feet and 18-inch outlet pipe regulate height of water.

Topography—Surrounding ground rises gradually reaching maximum height of 100 feet; about 75% covered with second growth timber, 25% under cultivation. Two farm houses near pond approximately 50 feet above water surface.

Inlet—Camp Creek, 4 feet wide, 6 inches deep, flowing through clean channel in marshy ground.

Outlet—Camp Creek, 4 feet wide, 6 inches deep, flowing through clean rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; high banks at outlet and low surrounding country.

Ownership—Mr. Camp, Rummerfield, claims control.

CANADOTHA LAKE

Location—Central Bloomfield Township, northeastern Crawford County, on Oil Creek, Upper Allegheny Sub-basin.

Type—Natural.

Drainage Area—Approximately 7.8 square miles.

Elevation—1394 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and irregular; maximum length 5,175 feet; maximum width 2,000 feet.

Area—169.9 acres.

Capacity—3,137 acre-feet or 1,022,000,000 gallons.

Depth—Prevailing 22 feet; maximum 41 feet.

Dam—None.

Topography—Gradually rising ground on all sides; public road parallels one side, 40 feet above water surface; strip of swampy ground, several hundred feet wide, surrounds three sides of lake. Approximately 65% of surrounding country covered with second growth timber, 35% under cultivation. One club house and hotel near lake, 25 feet above water surface.

Inlets—East and West Shreve Runs, 6 feet wide, 1 foot deep, flowing through clear channel.

Outlet—Oil Creek, 16 feet wide, 3 feet deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—Could be increased as banks are high at outlet.

Ownership—The Canadotha Club owns surrounding land; not limited to shore line.

CAREY, LAKE

Location—Southern Lemon and northern Tunkhannock townships, north central Wyoming County, on Mill Brook, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural.

Drainage Area—4.5 square miles.

Elevation—915 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, very irregular; maximum length 10,225 feet; maximum width 2,180 feet.

Area—262.6 acres.

Capacity—3,782 acre-feet or 1,232,000,000 gallons.

Depth—Prevailing 22 feet; maximum 34 feet.

Dam—Vertical dry stone wall, 70 feet long, 12 feet high, backed with earth and stone fill. Timber spillway and wooden flume regulate height of water.

Topography—Water surface area increased by dam on outlet. Surrounding country rises gradually from water edge to maximum height of 60 feet; approximately 30% covered with second growth timber,

70% cultivated. Public road parallels one side 20 feet above water surface and crosses outlet on embankment forming small lake, marshy on all sides, known as Flow Pond. Cottages and boat houses on shore.

Inlets—Two streams, 10 feet wide, 2 feet deep, flowing through marshy ground with clean channels. Also fed by springs.

Outlet—Mill Brook, 15 feet wide, 3 feet deep, flowing rapidly through clean rocky channel.

Utilization—Private ice supply and summer resort; also water power for sawmill using turbine.

Navigation—Motor boats and rowboats.

Opportunity for Storage—Good; steep banks at outlet, but a rise of 2 to 3 feet would damage valuable property on shore.

Ownership—Private parties own surrounding land; not limited to shore line.

CARMAULTS LAKE (See CHOCONUT LAKE)

CARP POND

Location—Southeastern Lenox Township, southeastern Susquehanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 2.5 acres.

CARR LAKE

Location—Southeastern Springville Township, south central Susquehanna County, on branch of Field Brook, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1321 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Elliptical, irregular; maximum length 1,810 feet; maximum width 1,090 feet.

Area—30.0 acres.

Capacity—442 acre-feet or 144,000,000 gallons.

Depth—Prevailing 22 feet; maximum 28 feet.

Dam—None.

Topography—Hills on three sides; ground rising gradually to maximum height of 60 feet; 95% cultivated, 5% covered with second growth timber. Two farm houses and outbuildings near lake, approximately 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Field Brook, about 4 feet wide, 1 foot deep, flowing through clean gravelly channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good topographically, but because of small drainage area is not practicable.

Ownership—Two persons claim control.

CARRS POND

Location—East central Lebanon Township, north central Wayne County, Upper Delaware Sub-basin.

Area—Approximately 15 acres.

CASES POND

Location—South central Clinton Township, west central Wayne County, on tributary of Waymart Branch, Upper Delaware Sub-basin.

Area—Approximately 5 acres.

CATALPA LAKE (See RYMANS POND)

CHAMBERLIN POND

Location—Southern Windham Township, northwestern Wyoming County, on Little Mehoopany Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.4 square miles.

Elevation—1020 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, rather irregular; maximum length 2,715 feet; maximum width 1,050 feet.

Area—47.6 acres.

Capacity—169 acre-feet or 55,000,000 gallons.

Depth—Prevailing 6 feet; maximum 10 feet.

Dam—Vertical dry stone wall, 75 feet long, 10 feet high, backed with earth fill; all spillway.

Topography—Generally high ground on all sides, rising gradually to maximum height of 200 feet, practically all covered with second growth timber.

Inlet—Little Mehoopany Creek, 10 feet wide, 2 feet deep, flowing through clean channel.

Outlet—Little Mehoopany Creek, 20 feet wide, 3 feet deep, flowing rapidly through clean channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Several persons claim control.

CHAPMANS LAKE, old name STULLS POND

Location—East central Scott Township, north central Lackawanna County, on tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1530 (Bar.) referred to D. & H. R. R. levels.

Shape—Oval, irregular; maximum length 3,380 feet; maximum width 2,100 feet.

Area—98.0 acres.

Capacity—2,350 acre-feet or 766,000,000 gallons.

Depth—Prevailing 30 feet; maximum 55 feet.

Dam—Concrete, 85 feet long, 4 feet high. Spillway and outlet pipe regulate height of water, which varies 5 feet.

Topography—Lake lies near top of ridge, surrounding country sloping gradually on all sides reaching maximum height of 75 feet on north; 95% under cultivation, 5% covered with second growth timber. Several cottages, two farm houses, two dancing pavilions and three boat houses near lake, 2 to 40 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary of South Branch Tunkhannock Creek, dry at times; clean gravelly channel.

Utilization—Private ice supply, summer resort and water supply for boroughs of Jermyn, Archbald and Peckville.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low banks at outlet.

Ownership—Consolidated Water Supply Co., Scranton, claims control of lake to high water mark.

CHAUTAUQUA LAKE, or CONEWAGO, LAKE

Location—South Londonderry Township, south central Lebanon County, Lower Main Susquehanna Sub-basin.

Type—Artificial.

Elevation—610 referred to U. S. G. S. datum.

Area—14.3 acres.

CHEHOCTON POND, or SHEHAWKEN POND

Location—Northern Preston Township, northwestern Wayne County, on Chehocton Creek, Upper Delaware Sub-basin.

Type—Natural; dam caused little increased pondage.

Drainage Area—Approximately 1.1 square miles.

Elevation—1710 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, irregular; maximum length 2,425 feet; maximum width 1,410 feet.

Area—54.0 acres.

Capacity—803 acre-feet or 262,000,000 gallons.

Depth—Prevailing 28 feet; maximum 36 feet.

Dam—Vertical dry stone wall, 70 feet long, 8 feet high, faced with concrete. Spillway, 8 feet by 4 feet, regulates height of water.

Topography—Surrounding cultivated country generally low, rising to maximum height of 10 feet.

Inlet—Fed by springs.

Outlet—Chehocton Creek, 8 feet wide, flowing through rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Several persons claim control.

CHESTNUT LAKE (See LONG POND)

CHOCONUT LAKE; old name CARMAULTS LAKE

Location—Southern Choconut Township, northwestern Susquehanna County, on Choconut Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.8 square mile.

Elevation—1579 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 2,070 feet; maximum width 1,030 feet.

Area—35.8 acres.

Capacity—781 acre-feet or 254,000,000 gallons.

Depth—Prevailing 31 feet; maximum 45 feet.

Dam—None.

Topography—Ground rises gradually on all sides and reaches maximum height of 125 feet; approximately 40% thinly covered with second growth timber; 60% under cultivation. Three farm dwellings, five summer cottages, and several bath houses near lake, 1 to 25 feet above water surface.

Inlet—Choconut Creek, 4 feet wide, 1 foot deep, flowing through clean channel in slightly marshy ground; also fed by springs.

Outlet—Choconut Creek, 3 feet wide, 6 inches deep, flowing through gravelly channel filled with debris.

Utilization—Private ice supply and boys' summer camp.

Navigation—Rowboats.

Opportunity for Storage—Good; narrow valley at outlet.

Ownership—Several persons claim lake and right of entry thereon.

CHURCHILL POND

Location—Northwestern Thomson Township, northeastern Susquehanna County, on branch of Canawacta Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 12 acres.

CLEAR LAKE

Location—North central Sparta Township, northeastern Crawford County, on East Branch Oil Creek, Upper Allegheny Sub-basin.

Type—Artificial.

Drainage Area—Approximately 14.1 square miles.

Elevation—1440 (Bar.) referred to P. R. R. levels, U. S. G. S. datum.

Shape—Oval, irregular; maximum length 4,305 feet; maximum width 1,750 feet.

Area—117.5 acres.

Capacity—265 acre-feet or 86,000,000 gallons.

Depth—Prevailing 3 feet; maximum 9 feet.

Dam—Concrete, 70 feet long, 10 feet high. Race from one end to mill where gates are provided for regulating height of water.

Topography—Generally high ground on all sides rising gradually to maximum height of 200 feet. Strip of swampy ground around border with tree stumps protruding over entire water surface. Railroad parallels two sides of lake 10 feet above water surface. Approximately 50% of surrounding country covered with second growth timber and brush, 50% cultivated. A store and grist mill immediately below dam at an elevation 6 feet below that of water surface.

Inlet—East Branch Oil Creek, 20 feet wide, 6 inches deep, flowing through clean channel.

Outlet—East Branch Oil Creek, 25 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing; furnishes water for grist mill using 40 to 50 horsepower turbine.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Davis and Hyde, Spartansburg, claim control of lake.

CLEMO, LAKE (See SAND POND)

CLINE POND

Location—Northwestern Damascus Township, northeastern Wayne County, at headwaters of small branch of Delaware River, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1410 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—18.0 acres.

COLLINS POND; also called REININGS POND

Location—Northwestern Cherry Ridge Township, central Wayne County, on Collins Brook, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.8 square miles.

Elevation—1290 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, triangular, regular; maximum length 3,015 feet; maximum width 900 feet.

Area—43.1 acres.

Capacity—192 acre-feet or 63,000,000 gallons.

Depth—Prevailing 9 feet; maximum 12 feet.

Dam—Vertical dry stone wall, 200 feet long, 16 feet high, backed with earth and stone. Spillway regulates height of water.

Topography—Pond lies between two ranges of hills rising rapidly to maximum height of 230 feet. Approximately 40% of surrounding country covered with second growth timber, 60% cultivated.

Inlet—Collins Brook, 10 feet wide, 1 foot deep, flowing through clean rocky channel.

Outlet—Collins Brook, 15 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating, fishing, and water power for sawmill on outlet.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Reining & Son, Honesdale, claim control.

COMFORTS POND (See page 30)

Location—Southern Harmony Township, northeastern Susquehanna County, on Canawacta Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 0.8 square mile.

Elevation—1946 (Bar.) referred to Erie R. R. levels.

Shape—Rectangular, fairly regular; maximum length 2,740 feet; maximum width 1,310 feet.

Area—61.5 acres.

Capacity—674 acre-feet or 220,000,000 gallons.

Depth—Prevailing 16 feet; maximum 27 feet.

Dam—Vertical dry stone wall, about 150 feet long, backed with earth and stone fill. Concrete spillway and pipe outlet provided.

Topography—Surrounding country rises gradually reaching a maximum height of 100 feet; approximately 40% densely wooded with second growth timber, 60% under cultivation. Public road parallels one side for 1,500 feet, 3 to 10 feet above water surface. Six farm dwellings with outbuildings, near pond, 10 to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Canawacta Creek about 5 feet wide, 4 feet deep, flowing through rocky channel.

Utilization—Used as storage reservoir for water supply of Susquehanna and Lanesboro boroughs; private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Canawacta Water Supply Co., Susquehanna, claims pond and land 20 feet above high water mark.

COMO, LAKE

Location—Eastern Preston Township, north central Wayne County, on branch of Equinunk Creek, Upper Delaware Sub-basin.

Type—Originally natural; dam flooded additional area.

Drainage Area—Approximately 3.1 square miles.

Elevation—1440 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Triangular, very irregular; maximum length 4,600 feet; maximum width 1,875 feet.

Area—80.0 acres.

Capacity—742 acre-feet or 242,000,000 gallons.

Depth—Prevailing 15 feet; maximum 29 feet.

Dam—Vertical dry stone wall, 55 feet long, 10 feet high, backed with earth and stone fill. Timber sluiceway regulates height of

water, which varies considerably during wet and dry seasons.

Topography—Surrounding country under cultivation, generally low, rising gradually to maximum height of 20 feet. Public road parallels one side. Numerous cottages on shore, and five or six farm houses directly below dam on outlet.

Inlet—Branch of Equinunk Creek, about 10 feet wide, flowing through open channel. Also fed by springs.

Outlet—Branch of Equinunk Creek, 15 feet wide, flowing through rocky channel.

Utilization—Private ice supply, summer resort and water power for grist mill using a turbine wheel.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; high banks at outlet; would damage surrounding land.

Ownership—Edward Underwood Heirs, New York City, claim control.

CONEWAGO, LAKE (See CHAUTAUQUA LAKE)

CONNEAUT LAKE

Location—Summit and Sadsbury townships, west central Crawford County, on Conneaut Lake Creek, Upper Allegheny Sub-basin.

Type—Natural.

Drainage Area—Approximately 27.9 square miles.

Elevation—1072, referred to U. S. G. S. datum.

Shape—Long, oval, very irregular; maximum length 14,465 feet; maximum width 5,255 feet.

Area—928.5 acres.

Capacity—17,160 acre-feet or 5,591,000,000 gallons.

Depth—Prevailing 34 feet; maximum 65 feet.

Dam—None.

Topography—Low, gradually rising ground surrounds lake; one side rises abruptly reaching maximum height of 125 feet; two sides exceedingly marshy. Approximately 25% of surrounding country covered with second growth timber, 75% under cultivation. Amusement and exhibition grounds, many summer cottages and hotels, along the shore and on adjoining high ground. Numerous docks, boat and ice houses at water edge. Borough of Conneaut at southern end of lake.

Inlets—Numerous small streams flow into lake. Beaver Creek and the Big Ditch, each 10 feet wide and 2 feet deep; also Little Conneaut Creek, 20 feet wide, 5 feet deep.

Conneaut Lake Navigation Co. Docks, Conneaut Lake, Crawford County

Exposition Park, Conneaut Lake, Crawford County

Outlet—Conneaut Lake Creek, branch of French Creek, 25 feet to 30 feet wide, 2 to 3 feet deep, flowing through clean gravelly channel.

Utilization—Ice harvesting and large summer resort. Up to 1872 the lake was 10.5 feet higher and was used as feeder for Erie Canal.

Navigation—Steamboats, motor boats, sailboats and rowboats. Largest boats, from 15 to 50 horsepower, operated by Conneaut Lake Navigation Co., carry freight and passengers.

Opportunity for Storage—Could be raised several feet by means of old regulating gates. Any increase would cause damage to piers, cottages, etc. on shore.

Ownership—State of Pennsylvania claims control of lake; limited to shore line. Conneaut Lake Navigation Co., has leased the navigation rights. Conneaut Lake and Navigation Ice companies have water rights for purpose of harvesting ice.

CONNEAUTTE LAKE

Location—South central Washington Township, southern Erie County, on Conneautte Creek, Upper Allegheny Sub-basin.

Type—Artificial.

Drainage Area—Approximately 23.7 square miles.

Elevation—1197 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 6,460 feet; maximum width 3,530 feet.

Area—247.0 acres.

Capacity—2,461 acre-feet or 802,000,000 gallons.

Depth—Prevailing 13 feet; maximum 30 feet.

Dam—Concrete, 106 feet long, 11 feet high. Spillway and outlet flume provide for regulation of height of water.

Topography—Surrounding country rising gradually from water edge, reaches a maximum height of 50 feet; approximately 35% covered with second growth timber and brush, balance under cultivation. Trolley line and public road parallel one side. Marshy ground almost completely surrounds lake. Village of Edinboro lies near outlet at height of 15 to 20 feet above water surface.

Inlets—Conneautte Creek, 20 feet wide, 13 feet deep, also Coulter Creek, 8 feet wide, 4 feet deep; both have sluggish flow through marshy ground.

Outlet—Conneautte Creek, 20 feet wide, 2 feet deep, flowing through marshy ground.

Utilization—Private ice supply, summer resort and power for Keystone grist mill.

Navigation—Rowboats.

Opportunity for Storage—Could be increased slightly, but with damage to trolley track, cottages, etc.

Ownership—Elizabeth Cannon, Sandy Lake, claims control.

CONNELL COAL DAM

Location—East central Cherry Township, northeastern Sullivan County, on Birch Creek, Lower West Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.9 square miles.

Elevation—1985 (Bar.) referred to L. V. R. R. levels.

Shape—Triangular, regular; maximum length 1,860 feet; maximum width 765 feet.

Area—21.1 acres.

Capacity—94 acre-feet or 31,000,000 gallons.

Depth—Prevailing 7 feet; maximum 12 feet.

Dam—Concrete, 445 feet long, 12 feet high. Spillway and outlet pipe regulate height of water.

Topography—Steep hills on three sides rising to maximum height of 200 feet. Entire surrounding country covered with second growth timber and brush.

Inlet—Birch Creek, 10 feet wide, 1 foot deep, flowing through channel free of debris.

Outlet—Birch Creek, 15 feet wide, 1.5 feet deep, flowing swiftly through rocky channel free of debris.

Utilization—Private ice supply, boating, fishing, and water power for coal mine.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Connell Coal Dam Co., Lopez, claims control.

COOLBAUGH POND

Location—Southeastern Middle Smithfield Township, east central Monroe County, on Pond Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—493 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—11.3 acres.

COPES PONDS (Two)

Location—Northern Dimock Township, central Susquehanna County, on branch of Meshoppen Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 4 and 8 acres respectively.

CORILLA LAKE, BIG

Location—Northern Lackawaxen Township, north central Pike County, on branch of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.2 square mile.

Elevation—1239 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; maximum length 3,540 feet; maximum width 1,220 feet.

Area—73.6 acres.

Capacity—996 acre-feet or 325,000,000 gallons.

Depth—Prevailing 22 feet; maximum 30 feet.

Dam—None.

Topography—High ground on three sides, rising gradually to maximum height of 125 feet. Entire surrounding country covered with second growth and virgin timber. Several boat houses at water edge.

Inlet—Fed by springs.

Outlet—Branch of Mast Hope Creek, 10 feet wide, 1 to 2 feet deep, flowing through marshy ground.

Utilization—Fishing; private water supply for club house.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Forest Lake Club claims control.

CORILLA LAKE, LITTLE; also called STUMPY POND

Location—Northern Lackawaxen Township, north central Pike County, on branch of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Originally natural; dam flooded additional area.

Drainage Area—Approximately 0.5 square mile.

Elevation—1231 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, irregular; maximum length 6,170 feet; maximum width 1,560 feet.

Area—117.2 acres.

Capacity—830 acre-feet or 270,000,000 gallons.

Depth—Prevailing 9 feet; maximum 20 feet.

Dam—Earthen dam, 50 feet long, 5 feet high, with concrete core wall. Concrete spillway 15 feet by 1 foot.

Topography—Surrounding country gradually rises to maximum height of 120 feet. Water surface covered with snags, stumps and floating logs. Entire watershed covered with second growth timber. One boat house at water edge.

Inlet—Branch of Mast Hope Creek, 10 to 12 feet wide, 1 to 2 feet deep flowing through swampy ground.

Outlet—Branch of Mast Hope Creek, 14 to 15 feet wide, 1 to 2 feet deep, flowing through rocky channel strewn with debris.

Utilization—Private summer resort and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Forest Lake Club claims control.

COTTRELL LAKE

Location—Northeastern Clifford Township, southeastern Susquehanna County, on branch of Burns Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.4 square mile.

Elevation—1647 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, regular; diameter approximately 1,260 feet.

Area—23.5 acres.

Capacity—273 acre-feet or 89,000,000 gallons.

Depth—Prevailing 18 feet; maximum 28 feet.

Dam—None.

Topography—Steep hills on three sides, ground rising to maximum height of 75 feet. Approximately 5 % of country covered with second growth timber, 95% under cultivation. Four farm dwellings near lake, 25 to 50 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Burns Creek, 3 feet wide, 4 inches deep, flowing through channel full of debris.

Utilization—Private ice supply; private water supply in summer time when surrounding wells are dry. Hydraulic ram lifts water to Uniondale Fair grounds.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Several persons claim control.

COXTOWN POND

Location—Northwestern Preston Township, northwestern Wayne County, at headwaters of branch of Starrucca Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1975 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, regular; maximum length 3,540 feet; maximum width 1,900 feet.

Area—109.7 acres.

Capacity—1,836 acre-feet or 598,000,000 gallons.

Depth—Prevailing 28 feet; maximum 33 feet.

Dam—None.

Topography—High ground on all sides rising rapidly from water edge; all covered with second growth timber. Many summer cottages dot shore line.

Inlet—Fed by springs.

Outlet—Branch of Starrucca Creek, 8 feet wide, flowing swiftly through rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Mrs. Strom, Starrucca, claims control.

CRACKENBURG POND

Location—East central Cherry Ridge Township, south central Wayne County, on branch of Pond Brook, Upper Delaware Sub-basin.

Type—Artificial.

Area—Approximately 12 acres.

CRAMER POND; also called LONG POND

Location—Clinton, Dyberry and Mt. Pleasant townships, southwestern Wayne County, on tributary of West Branch Lackawaxen River, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.4 square miles.

Elevation—1410 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 3,825 feet; maximum width 870 feet.

Area—62.0 acres.

Capacity—437 acre-feet or 142,000,000 gallons.

Depth—Prevailing 14 feet; maximum 19 feet.

Dam—Earth and stone, 500 feet long, 20 feet high. Sluiceway 8 feet by 10 feet provided.

Topography—High ground on all sides rising gradually to maximum height of 230 feet and covered with second growth timber. One dwelling on shore, 100 feet above water surface.

Inlet—Tributary of West Branch Lackawaxen River, 2 feet wide, 6 inches deep, flowing through clean channel. Also fed by springs.

Outlet—Tributary to West Branch of Lackawaxen River, 10 feet wide, 1 foot deep, flowing through debris-strewn channel.

Utilization—Private ice supply, boating, fishing, also feeder for D. & H. Canal.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Several persons claim control.

CRANBERRY LAKE

Location—Southern Silver Lake Township, northwestern Susquehanna County, on branch of Silver Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1709 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—13.9 acres.

CRANBERRY POND

Location—Northwestern Slocum Township, central Luzerne County, on branch of Wapwallopen Creek, Lower North Branch Susquehanna Sub-basin.

Area—8.0 acres.

CROOKED POND

Location—Central Benton Township, northwestern Lackawanna County, on small tributary of the South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.7 square mile.

Elevation—1230 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular, maximum length 2,515 feet; maximum width 890 feet.

Area—34.7 acres.

Capacity—336 acre-feet or 109,000,000 gallons.

Depth—Prevailing 19 feet; maximum 28 feet.

Dam—None.

Topography—Surrounding country on all sides rises gradually to maximum height of 100 feet; about 75% covered with second growth timber, 25% cultivated. Public road parallels one side 10 to 60 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary of South Branch Tunkhannock Creek, 3 feet wide, 2 inches deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be increased, high banks at outlet.

Ownership—Private control.

CRYSTAL LAKE

Location—Northeastern Greenfield Township, and northwestern Fell Township, north central Lackawanna County; also southern Clifford Township, southeastern Susquehanna County, on branch of Fall Brook, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1745 referred to U. S. G. S. datum.

Shape—Circular, very irregular; approximate diameter 2,350 feet.

Area—191.4 acres.

Capacity—5,325 acre-feet or 1,735,000,000 gallons.

Depth—Prevailing 33 feet; maximum 74 feet.

Dam—Earth embankment, 50 feet long, about 2 to 3 feet high.

Topography—Lake near top of high ridge; surrounding country generally low and flat, rising steeply on north side to maximum height of 50 feet; 80% under cultivation, 20% covered with second growth timber and brush. On shore of lake are 25 to 30 houses, 14 boat houses, 1 hotel and several boarding houses, 2 to 40 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Fall Brook, dry at times; clean gravelly channel.

Utilization—Private water and ice supplies, summer resort, water supply for Carbondale.

Navigation—Motor boats and rowboats.

Ownership—Consolidated Water Supply Co., Scranton, claims control of lake, and owns most of surrounding land. Several persons own land along shore line.

CRYSTAL LAKE; originally called STINK POND

Location—Western Bear Creek Township, east central Luzerne County, on headwaters of Wapwallopen Creek, (this has been diverted into Solomon Creek) Lower North Branch Susquehanna Sub-basin.

Type—Originally natural.

Drainage Area—2.3 square miles.

Elevation—1937, referred to U. S. G. S. datum.

Shape—Long, very irregular, maximum length 8,500 feet; maximum width 4,200 feet.

Area—420.0 acres.

Capacity—5,085 acre-feet or 1,657,000,000 gallons.

Dam—Concrete, 710 feet long, 18 feet high.

Topography—Lake lies near top of mountainous ridge surrounded by gradually rising ground reaching maximum height of 130 feet; practically all covered with second growth timber and brush.

Inlet—Fed by springs.

Outlet—Through water supply main.

Utilization—Water supply for city of Wilkes-Barre and vicinity.

Navigation—None.

Ownership—Spring Brook Water Supply Co., Wilkes-Barre.

CRYSTAL LAKE

Location—Southern Hillsgrove Township, west central Sullivan County; also southeastern Plunketts Creek Township, east central Lycoming County, on headwaters of Big Bear Run, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

CUMMINGS POND

Location—Northwestern Franklin Township, north central Luzerne County, on branch of Sutton Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1190 (Bar.) referred to U. S. G. S. datum.

Shape—Oval, regular; maximum length 2,000 feet; maximum width 1,350 feet.

Area—43.8 acres.

Capacity—142 acre-feet or 46,000,000 gallons.

Depth—Prevailing 5 feet; maximum 10 feet.

Dam—None.

Topography—High ground on three sides rising gradually to maximum height of 250 feet. One side of lake exceedingly marshy. Public road parallels another side 20 feet above water surface. Entire surrounding country covered with second growth timber. One farm house near pond, 25 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Sutton Creek, 5 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low, marshy ground at outlet.

Ownership—Daniel B. Winters, R. F. D., Dallas, claims control.

CURTIS POND

Location—North central South Canaan Township, southwestern Wayne County, on branch of Middle Creek, Upper Delaware Sub-basin.

Area—Approximately 10 acres.

DAVIS MARSH POND

Location—Central Colley Township, northeastern Sullivan County, on headwaters of branch of Rocky Run, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 6 acres.

DAY POND

Location—Northwestern Oregon Township, east central Wayne County, at headwaters of branch of Dyberry Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1130 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—8.0 acres.

DORNEYS LAKE (Combination of DORNEYS POND and BEAVER DAM)

Location—Southwestern Coolbaugh Township, northwestern Monroe County, on Trout Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 9.5 square miles.

Elevation—1716 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape— Long and narrow, irregular; maximum length 2,975 feet; maximum width 920 feet.

Area—42.1 acres.

Capacity—172 acre-feet or 56,000,000 gallons.

Depth—Prevailing 6 feet; maximum 10 feet.

Dam—Earth embankment, about 1,600 feet long, 19 feet maximum height. Spillway channel provided at left end.

Topography—Lake lies between two ranges of hills; ground rises gradually to maximum height of 150 feet, approximately 90% covered with second growth timber and brush, 10% cultivated. One barn and one shed near lake at height of 5 feet above water surface.

Inlet—Trout Creek, 30 feet wide, 1 foot deep, flowing through muddy channel, full of debris.

Outlet—Trout Creek, 15 feet wide, 2 feet deep, flowing through clean gravelly channel.

Utilization—Formerly logging pond. Large ice harvesting plant under construction.

Navigation—None.

Opportunity for Storage—Could be increased; steep banks at outlet.

Ownership—Brady Brothers, Bayonne, N. J., claim control.

DORYS DAM

Location—Northern Porter Township, south central Pike County, on Rocky Hill Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 8.8 square miles.

Elevation—1336 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 3,770 feet; maximum width 915 feet.

Area—52.0 acres.

Capacity—113 acre-feet or 37,000,000 gallons.

Depth—Prevailing 4 feet; maximum 7 feet.

Dam—Timber-crib, 150 feet long, 8 feet high, with earth and stone fill. Spillway and timber sluiceway with wooden regulating gate are provided for regulating height of water.

Topography—Lake located in game reserve; surrounding country rises gradually, reaching maximum height of 80 feet; considerable swampy ground bordering one side. Small ice and boat house 1 to 5 feet above water surface.

Inlet—Rocky Hill Creek, 18 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Rocky Hill Creek, 35 feet wide, 1 foot deep, flowing through rocky channel full of debris.

Utilization—Private ice supply, boating and fishing. Originally used as storage dam for sawmill on outlet.

Navigation—Rowboats.

Opportunity for Storage—Good; it is claimed that during heavy rainfalls, water rises 2.5 feet.

Ownership—Heirs of Westbrod and Hess claim control.

DUCK POND (See MUD POND)

DUCK HARBOR POND

Location—Damascus and Lebanon townships, northeastern Wayne County, on Little Equinunk Creek, Upper Delaware Sub-basin.

Type—Originally natural, dam caused submergence of considerably more area.

Drainage Area—Approximately 3.9 square miles.

Elevation—1540 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, irregular, maximum length 5,600 feet; maximum width 1,470 feet.

Area—121.6 acres.

Capacity—1,978 acre-feet or 644,000,000 gallons.

Depth—Prevailing 34 feet; maximum 56 feet.

Dam—Dry masonry wall, 200 feet long, 12 feet high, faced with concrete. Spillway and sluiceway are provided.

Topography—Lake lies between two ranges of hills rising gradually to maximum height of 50 feet; both ends swampy. About 50% of surrounding country covered with second growth timber, 50% cultivated. Two houses on shore.

Inlet—Little Equinunk Creek, 10 feet wide, 8 inches deep, flowing through marshy ground; also fed by springs.

Outlet—Little Equinunk Creek, 20 feet wide, 2 feet deep, flowing through marshy ground.

Utilization—Private ice supply, boating, fishing and water power.

Navigation—Rowboats.

Opportunity for Storage—Could be increased, steep banks at outlet.

Ownership—J. G. Hill, Lookout, claims control.

DUNNS LAKE

Location—Northeastern Ararat Township, east central Susquehanna County, on Dunns Lake Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.7 square miles.

Elevation—1966 (Bar.) referred to Erie R. R. levels.

Shape—Long, rectangular, irregular, maximum length 4,170 feet; maximum width 1,375 feet.

Area—94.4 acres.

Capacity—1,793 acre-feet or 584,000,000 gallons.

Depth—Prevailing 26 feet; maximum 45 feet.

Dam—None.

Topography—Low hills on three sides rising gradually to maximum height of 40 feet. Ground around inlet slightly marshy. About 90% of country wooded with second growth timber, 10% under cultivation. Three farm houses and four cottages near lake, 20 to 30 feet above water surface.

Inlet—Small stream, 1 foot wide, 3 inches deep, dry in summer, flows through marshy ground. Also fed by springs.

Outlet—Dunns Lake Creek, 6 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Available as storage for Scranton water supply, could not be increased appreciably.

Ownership—Private control of land to shore line. Consolidated Water Supply Co., Scranton, claims lake.

DURBENT LAKE (See LAUREL LAKE)

EAGLESMERE or LEWIS LAKE

Location—North central Shrewsbury Township, central Sullivan County, on Muncy Creek, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—2001.5 furnished by local authority.

Shape—Oval, rather irregular; maximum length 3,885 feet; maximum width 1,720 feet.

Area—116.4 acres.

Capacity—2,447 acre-feet or 797,000,000 gallons.

Depth—Prevailing 25 feet; maximum 38 feet.

Dam—None. Outlet has been lowered and 5-foot regulating gate placed in same.

Topography—High ground on three sides rising abruptly in places and reaching maximum height of 200 feet; 50% of surrounding country covered with second growth timber, 50% under cultivation. Public road around lake 6 to 100 feet above water surface. Village of Eaglesmere on high ground on east side. Numerous cottages near shore from 2 to 100 feet above water surface.

Inlet—Fed by springs.

Outlet—Muncy Creek, 2 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low ground at outlet and valuable property around lake.

Ownership—Eaglesmere Land Co., Eaglesmere.

EARNEST, LAKE; old name GRASSY POND

Location—Eastern Greene Township, west central Pike County, on branch of Wells Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1883 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 1,750 feet; maximum width 1,460 feet.

Area—32.6 acres.

Capacity—171.2 acre-feet or 56,000,000 gallons.

Depth—Prevailing 8 feet; maximum 12 feet.

Dam—None.

Topography—Lake lies near summit of Knob Mountain. Surrounding country generally low and flat, rising gradually to maximum height of 35 or 40 feet on north side; entire watershed covered with second growth timber and brush. One shed near the lake, 5 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Wells Creek, 2 feet wide, 2 inches deep, flowing through swampy ground.

Utilization—Private boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; surrounding country low.

Ownership—The Blooming Grove Hunting & Fishing Club claims control.

EAST LAKE

Location—Northeastern New Milford Township, central Susquehanna County, on branch of Saltlick Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam caused large increase in submergence.

Drainage Area—Approximately 1.2 square miles.

Elevation—1468 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular, triangular; maximum length 2,230 feet; maximum width 1,110 feet.

Area—36.9 acres.

Capacity—446 acre-feet or 145,000,000 gallons.

Depth—Prevailing 16 feet; maximum 28 feet.

Dam—Dry stone wall, approximately 100 feet in length, 6 feet high, backed with earth fill.

Topography—Surrounding country rises gradually to maximum height of 50 feet; approximately 70% of surrounding country thickly covered with second growth and virgin timber, 30% cultivated. Public highway parallels one side for about 1,000 feet, 8 to 10 feet above water surface. Six summer cottages near lake, 5 to 6 feet above water surface.

Inlet—Branch Saltlick Creek, 4 feet wide and 6 inches deep, flowing through swampy ground. Also fed by springs.

Outlet—Branch Saltlick Creek, 6 feet wide and 1 foot deep, flowing through clean channel.

Utilization—Private ice supply and small summer resort.

Navigation—Rowboats.

Opportunity for Storage—Dam approximately 250 feet long would raise water 10 to 12 feet, but would flood cottages and public road;

small drainage area would not warrant heavy expenditures for increased storage.

Ownership—Private parties. Present lake not limited to shore line, while old, natural lake was so limited.

EAST BRANCH POND (See PAUPACK, LAKE)

EBYS POND

Location—Southwestern Silver Lake Township, northwestern Susquehanna County, on branch of Choconut Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 12 acres.

ECHO LAKE; also called SEYLEYS POND

Location—Middle Smithfield Township, east central Monroe County, on Pond Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—498 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 1,950 feet; maximum width 760 feet.

Area—21.5 acres.

Capacity—381 acre-feet or 124,000,000 gallons.

Depth—Prevailing 27 feet; maximum 40 feet.

Dam—None.

Topography—Steep banks on all sides; ground rises to maximum height of 300 feet; approximately 50% covered with second growth timber, 50% under cultivation. On shore, 19 cottages and 1 boat house, 1 foot to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Not defined by clear-cut channel but apparently water finds way through numerous small channels running through tuft grass and swamp. It is claimed a channel was once perceptible from this lake to Coolbaugh Pond one-half mile below, but has since filled with silt.

Utilization—Private water supply to summer cottages, private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good topographically, but owing to small drainage area it is doubtful if expense would warrant. Geographically, Coolbaugh Pond and Echo Lake were once a single large lake.

Ownership—Private; not limited to shore line.

ECHO LAKE

Location—Eastern Coolbaugh Township, northwestern Monroe County, on headwaters of Upper Tunkhannock Creek, Middle Delaware Sub-basin.

Type—Natural.

Area—Approximately 15 acres.

EDGEMERE LAKE (See SILVER LAKE)

ELICK POND

Location—Southeastern Greene Township, west central Pike County, on headwaters of branch of Paupack Creek, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 40 acres.

ELK LAKE

Location—Northwestern Elkland Township, northwestern Sullivan County, on branch of Elk Creek, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 15 acres.

ELK LAKE, BIG; old names LATHROPS LAKES, ONE OF; also TWIN LAKES, ONE OF

Location—Northeastern Dimock Township, central Susquehanna County, on Lake Stream, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam flooded additional area.

Drainage Area—Approximately 1.6 square miles.

Elevation—1366 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,870 feet; maximum width 2,070 feet.

Area—84.0 acres.

Capacity—2,430 acre-feet or 792,000,000 gallons.

Depth—Prevailing 43 feet; maximum 72 feet.

Dam—Vertical dry stone wall, approximately 100 feet in length, about 13 feet high, backed with earth and stone fill. Wooden outlet flume regulates height of water.

Topography—High ground on all sides rising gradually to maximum height of 100 feet; approximately 10% covered with second

growth timber, 90% under cultivation. Public road parallels one side for 800 feet, 6 to 8 feet above water surface. Near lake are 12 to 15 summer cottages, 4 dwellings and 2 boat houses, 1 to 30 feet above water surface.

Inlet—Lake Stream, about 30 feet wide and 6 feet deep, flowing through clean rocky channel in narrow valley.

Outlet—Lake Stream, approximately 10 feet wide and 2 feet deep, flowing through rocky channel full of debris.

Utilization—Regulating reservoir for mill, on outlet, about one-half mile below lake; private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Private control of land to shore line only; water rights owned by W. H. Tanner, operator of mill on outlet.

ELK LAKE, LITTLE; old names LATHROPS LAKES, ONE OF; also TWIN LAKES, ONE OF

Location—Northwestern Dimock Township, central Susquehanna County, on Lake Stream, Upper North Branch Susquehanna Subbasin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1367 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, irregular; maximum diameter 1,600 feet.

Area—45.6 acres.

Capacity—755 acre-feet or 246,000,000 gallons.

Depth—Prevailing 25 feet; maximum 46 feet.

Dam—None.

Topography—Steep hills on all sides rising to maximum height of 150 feet. Marshy ground almost completely surrounds shore. Approximately 50% of surrounding country covered with second growth and virgin timber, 50% cultivated. Two boat houses near lake, 1 to 5 feet above water surface.

Inlet—Small stream, dry in summer months, about 2 feet wide and 6 inches deep, flows through marshy ground. Also fed by several springs.

Outlet—Lake Stream, about 30 feet wide and 2 feet deep, flowing through narrow valley over muddy bed.

Utilization—Boating and fishing; sawmill.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically; owing to small drainage area, would not warrant expense for increased storage.

Ownership—Private parties own land surrounding lake, limited to shore line.

ELK POND

Location—Southeastern Clinton Township, west central Wayne County, on tributary of Waymart Branch, Upper Delaware Sub-basin.

Type—Originally natural; dam flooded additional area.

Drainage Area—Approximately 0.7 square mile.

Elevation—1410 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 4,435 feet; maximum width 3,185 feet.

Area—168.4 acres.

Capacity—2,923 acre-feet or 952,000,000 gallons.

Depth—Prevailing 26 feet; maximum 48 feet.

Dam—Vertical dry stone wall, 100 feet long, 15 feet wide, backed with earth and stone fill. Wooden sluiceway regulates height of water.

Topography—Surrounding country generally low with maximum rise of 200 feet on east side; about 50% covered with second growth timber, 50% cultivated. Near pond are nine summer cottages and one ice house, 2 to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary of Waymart Branch, 6 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Ice harvesting and summer resort. Originally feeder for D. & H. canal.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Patrick McNulty, Honesdale, claims control.

ELY LAKE (See SOUTH POND)

EMORY POND

Location—Eastern Jefferson Township, east central Lackawanna County, on tributary of West Branch Wallenpaupack Creek, Upper Delaware Sub-basin.

Area—Approximately 5 acres.

FAIRCHILDS DAM

Location—Southeastern Newport Township, central Luzerne County, on branch of Newport Creek, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 10 acres.

FAIRVIEW, LAKE (See BIG POND)

FIDDLE LAKE

Location—Southwestern Ararat Township, east central Susquehanna County, on headwaters of Fiddle Lake Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1986 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, narrow and rather irregular; maximum length 3,620 feet; maximum width 1,260 feet.

Area—63.1 acres.

Capacity—606 acre-feet or 197,000,000 gallons.

Depth—Prevailing 12 feet; maximum 22 feet.

Dam—None.

Topography—Ground on three sides rises gradually, reaching maximum height of 50 feet on one side. Approximately 25% of country near shore covered with second growth timber, 75% under cultivation. Near lake are 12 summer cottages, 8 to 15 feet above water surface.

Inlet—Fed by springs.

Outlet—Fiddle Lake Creek, about 3 feet wide, 1 foot deep, flowing through muddy channel free of debris.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; ground at outlet low. It was intended at one time to raise water 10 feet but project was abandoned.

Ownership—Consolidated Water Supply Co., Scranton, and others; limited to shore line.

FINN POND, or BAYLOR POND

Location—West central Benton Township, northwestern Lackawanna County, on Sheik Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural; dam caused only slight increase in area.

Drainage Area—Approximately 2.4 square miles.

Elevation—1170 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 4,000 feet; maximum width 1,600 feet.

Area—100.3 acres.

Capacity—2,365 acre-feet or 770,000,000 gallons.

Depth—Prevailing 47 feet; maximum 70 feet.

Dam—Vertical dry stone wall, 75 feet long, 6 feet high, backed with earth and stone fill. Spillway provided.

Topography—Surrounding country generally high on three sides, rising gradually to maximum height of 400 feet; mostly under culti-

vation, small percentage covered with second growth timber. Public road parallels two sides. Eight dwellings near pond, 10 to 30 feet above water surface.

Inlet—Sheik Creek, 3 feet wide, 6 inches deep, flowing through marshy ground.

Outlet—Sheik Creek, 6 feet wide, 6 inches deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good. However, the increased storage would not warrant cost of rebuilding roads, etc.

Ownership—W. B. Baylor Est., Scranton, claims control of surrounding land.

FIRST POND (See FOREST LAKE)

FIVE MILE POND

Location—Southwestern Preston Township, northwestern Wayne County, on branch of Lackawanna River, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—2030 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, irregular; maximum length 2,375 feet; maximum width 1,375 feet.

Area—48.1 acres.

Capacity—434 acre-feet or 141,000,000 gallons.

Depth—Prevailing 15 feet; maximum 17 feet.

Dam—None.

Topography—Pond lies near top of very high ground; surrounding country rises rapidly to maximum height of 20 feet; approximately 50% of watershed covered with second growth timber, 50% cultivated. The N. Y. O. & W. R. R. parallels one shore. There are also three ice houses, 3 to 6 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Lackawanna River, 8 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Ice harvesting, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None, topographically.

Ownership—Consumers Ice Co., Scranton, claims control.

FLARTSOCK POND

Location—South central Liberty Township, south central Tioga County, on Blacks Creek, Middle West Branch Susquehanna Sub-basin.

Area—Approximately 4 acres.

FLOW POND (See OSTERHOUT POND)

FORD POND

Location—North Newton Township, east central Lackawanna County, on Hartley Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—0.9 square mile.

Elevation—1155 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, maximum length 4,185 feet; maximum width 1,020 feet.

Area—72.2 acres.

Capacity—207 acre-feet or 67,000,000 gallons.

Depth—Prevailing 6 feet; maximum 10 feet.

Dam—Vertical dry stone wall, 150 feet long, 10 feet high, with earth and stone fill. Timber spillway provided.

Topography—Hills rise gradually to maximum height of 300 feet. Public road parallels two sides, 1 to 10 feet above water surface; practically all surrounding country under cultivation. Three dwellings near lake, 10 to 20 feet above water surface.

Inlet—Hartley Creek, 3 feet wide, 6 inches deep, flowing through clean channel.

Outlet—Hartley Creek, 3 feet wide, 6 inches deep, flowing swiftly through clean rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Wm. Ford, Scranton, claims control.

FOREST LAKE (See WOLF LAKE)

FOREST LAKE; old name FIRST POND

Location—Western Lehman Township, south central Pike County, on branch of Little Bushkill Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.1 square miles.

Elevation—1060 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, irregular; maximum length 3,245 feet; maximum width 1,550 feet.

Area—77.7 acres.

Capacity—1,222 acre-feet or 398,000,000 gallons.

Depth—Prevailing 24 feet; maximum 30 feet.

Dam—None.

Topography—Steep hills on two sides reaching maximum height of 100 feet; slightly swampy around outlet. Practically entire surrounding country covered with second growth timber. One club house and numerous cottages, 40 feet above water surface; one boat house at water edge.

Inlet—Branch of Little Bushkill Creek, 5 feet wide, 1 to 2 feet deep. Also fed by springs.

Outlet—Branch of Little Bushkill Creek, 6 feet wide, 1 to 2 feet deep, flowing through marshy land for short distance, then falling rapidly through boulder-strewn channel.

Utilization—Private ice and water supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; high banks at outlet.

Ownership—Arthur Lederet claims control.

FOREST LAKE

Location—Eastern Forest Lake Township, northwestern Susquehanna County, on Forest Lake Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural, dam caused considerable increase in area of lake.

Drainage Area—Approximately 0.7 square mile.

Elevation—1525 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Regular, long, triangular; maximum length 3,100 feet; maximum width 1,060 feet.

Area—46.2 acres.

Capacity—609 acre-feet or 198,000,000 gallons.

Depth—Prevailing 19 feet; maximum 25 feet.

Dam—Earth and stone embankment, approximately 125 feet long, 10 feet high, with roadway on crest. Wooden sluiceway and overflow channel regulate height of water.

Topography—Surrounding country on three sides rises rapidly in places and reaches maximum height of approximately 175 feet; 15% covered with second growth and virgin timber, 85% cultivated. Public road along one side for about 1,000 feet, 5 to 10 feet above water surface. Near lake are 5 farm dwellings with outbuildings and 12 summer cottages, 5 to 20 feet above water surface.

Inlet—Fed by springs.

Outlet—Forest Lake Creek, about 10 feet wide and 6 inches to 1 foot deep, flowing through clean gravelly channel.

Utilization—Private ice supply and summer resort.

Navigation—Sailboats and rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Private control of lake and surrounding country.

FOUNTAIN LAKE

Location—Southern Fairview Township, east central Luzerne County, on branch of Nescopeck Creek, Lower North Branch Susquehanna Sub-basin.

Area—Approximately 10 acres.

FOUR MILE POND

Location—Southern Scott Township, northwestern Wayne County, on branch of Balls Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.0 square mile.

Elevation—2565 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Rectangular, irregular; maximum length 2,810 feet; maximum width 1,915 feet.

Area—70.2 acres.

Capacity—1,206 acre-feet or 393,000,000 gallons.

Depth—Prevailing 32 feet; maximum 42 feet.

Dam—None.

Topography—Surrounding country generally low, rising gradually to maximum height of 30 feet; covered with second growth timber.

Inlet—Fed by springs.

Outlet—Branch of Balls Creek, 6 feet wide, flowing through open channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Several private parties claim control.

FOX POND

Location—Central Jackson Township, northeastern Susquehanna County, on Drinker Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural.

Drainage Area—Approximately 1.0 square mile.

Elevation—1602 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular, oval; maximum length 1,820 feet; maximum width 1,100 feet.

Area—24.0 acres.

Capacity—144 acre-feet or 47,000,000 gallons.

Depth—Prevailing 6.0 feet; maximum 10.0 feet.

Dam—Concrete, about 100 feet long, 20 feet high. Outlet pipes regulate height of water.

Topography—Steep hills on two sides. Ground rises to maximum height of about 200 feet on one side. Approximately 50% of surrounding country covered with second growth timber; 50% cultivated. Two dwellings and one barn near lake, 15 to 30 feet above water surface.

Inlet—Drinker Creek flowing through swampy ground, approximately 10 feet wide, 6 inches deep, muddy bottom. Also fed by springs.

Outlet—Drinker Creek flowing through rocky channel full of debris, about 15 feet wide and 1 foot deep.

Utilization—Private ice supply; water supply for Susquehanna Borough.

Navigation—None.

Opportunity for Storage—None; low country on north side.

Ownership—Recently purchased by Canawacta Water Supply Co., not limited to shore line.

FROST POND (See LOWER DAM)

GALILEE POND

Location—Northern Damascus Township, northwestern Wayne County, on Galilee Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.9 square miles.

Elevation—1240 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 2,000 feet; maximum width 665 feet.

Area—20.0 acres.

Capacity—65 acre-feet or 21,000,000 gallons.

Depth—Prevailing 7 feet; maximum 10 feet.

Dam—None.

Topography—Surrounding country rises gradually on all sides reaching maximum height of 80 feet; mostly under cultivation. One dwelling, near pond, 50 feet above water surface.

Inlet—Galilee Creek, 8 feet wide, 2 feet deep, flowing through clean channel.

Outlet—Galilee Creek, 8 feet wide, 4 feet deep, flowing through rocky channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased; high banks at outlet.

Ownership—Private control claimed.

GANOGA LAKE

Location—Southern Colley Township, southeastern Sullivan County, on small branch of Kitchen Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.5 square miles.

Elevation—2,320, furnished by local authority.

Shape—Oval and long, regular; maximum length 3,720 feet; maximum width 1,025 feet.

Area—78.8 acres.

Capacity—373 acre-feet or 121,500,000 gallons.

Depth—Prevailing 10 feet; maximum 13 feet.

Dam—None.

Topography—Steeply rising ground on all sides reaching maximum height of 80 feet; practically all covered with second growth timber. Public road parallels two sides, 10 to 70 feet above water surface. One boat house, one ice house and several summer cottages near lake, 1 to 20 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Kitchen Creek, 8 feet wide, 1.5 feet deep, flowing through clean channel.

Utilization—Ice harvesting and pleasure purposes.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Col. R. B. Ricketts, Forty Fort, claims control.

GIFFORDS POND

Location—Smethport Borough, central Keating Township, central McKean County, Upper Allegheny Sub-basin.

Area—Approximately 4 acres.

GILES, LAKE

Location—Central Blooming Grove Township, west central Pike County, on Brushy Bridge Run, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1406 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; maximum length 3,290 feet; maximum width 2,465 feet.

Area—114.3 acres.

Capacity—3,579 acre-feet or 1,166,000,000 gallons.

Depth—Prevailing 42 feet; maximum 73 feet.

Dam—Timber-crib, 125 feet long, 4 feet high, earth and stone fill. Timber sluiceway regulates height of water. Dam not in use. Water kept at original level.

Topography—Surrounding country on one side generally low, rising steeply on other side to maximum height of 130 feet; approximately 98% densely wooded with second growth timber, 2% cultivated. Large club house and several cottages near lake, 50 to 130 feet above water surface; boat houses at water edge.

Inlet—Fed by springs.

Outlet—Brushy Bridge Run, 15 to 20 feet wide, 1 to 2 feet deep, flowing through rocky channel strewn with debris.

Utilization—Private ice and water supply; summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet. Present dam, if used, would raise water 5 to 6 feet.

Ownership—The Blooming Grove Hunting & Fishing Club owns and controls lake and practically all surrounding land.

GLASS POND NO. 1

Location—Western Dyberry Township, south central Wayne County, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1445 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,610 feet; maximum width 1,600 feet.

Area—55.6 acres.

Capacity—835 acre-feet or 272,000,000 gallons.

Depth—Prevailing 30 feet; maximum 37 feet.

Dam—Concrete, 110 feet long, 3 feet high. Spillway provided for regulation.

Topography—Gradually rising ground on three sides reaching maximum height of 120 feet; about 30% covered with second growth timber, 70% cultivated.

Inlet—Small stream, 3 feet wide, 6 inches deep, flowing swiftly through clean rocky channel.

Outlet—No overflow, water diverted into water supply main for Honesdale.

Utilization—Private ice supply, boating, fishing and water supply for Honesdale.

Navigation—Rowboats.

Opportunity for Storage—Not good; small drainage area.

Ownership—Honesdale Consolidated Water Co., Honesdale, claims control.

GLASS POND NO. 2

Location—Western Dyberry Township, south central Wayne County, Upper Delaware Sub-basin.

Type—Originally natural; dam flooded additional area.

Drainage Area—Approximately 0.2 square mile.

Elevation—1530 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,400 feet; maximum width 1,430 feet.

Area—49.7 acres.

Capacity—500 acre-feet or 163,000,000 gallons.

Depth—Prevailing 18 feet; maximum 30 feet.

Dam—Dry stone wall, 135 feet long, 8 feet high, backed with earth fill. Spillway and water supply main regulate height of water.

Topography—Surrounding country generally low rising on one side to maximum height of 70 feet; approximately 40% covered with second growth timber, 60% cultivated.

Inlet—Fed by springs.

Outlet—Small stream, 3 feet wide, 6 inches deep, flowing through clean rocky channel to Glass Pond No. 1.

Utilization—Water supply for Honesdale.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically, but small drainage area could not supply greatly increased storage.

Ownership—Honesdale Consolidated Water Co., Honesdale, claims control.

GLASS POND NO. 3

Location—Northwestern Dyberry Township, central Wayne County, on branch of West Branch Lackawaxen River, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.2 square mile.

Elevation—1550 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,765 feet; maximum width 1,700 feet.

Area—52.0 acres.

Capacity—1,106 acre-feet or 360,000,000 gallons.

Depth—Prevailing 35 feet; maximum 57 feet.

Dam—Concrete, 60 feet long, 2 feet high. Spillway and water main regulate height of water.

Topography—High ground on three sides rising to maximum height of 100 feet; about 70% forested with second growth timber, 30% cultivated.

Inlet—Fed by springs.

Outlet—Branch of West Branch Lackawaxen River, 8 feet wide, 6 inches deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating, fishing and water supply for Honesdale.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically, but drainage area small.

Ownership—Honesdale Consolidated Water Co., Honesdale, claims control.

GLENBURN POND

Location—Glenburn Borough, west central Lackawanna County, on tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.1 square miles.

Elevation—1025 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, regular; maximum length 2,360 feet; maximum width 950 feet.

Area—29.1 acres.

Capacity—138 acre-feet or 45,000,000 gallons.

Depth—Prevailing 9 feet; maximum 15 feet.

Dam—Vertical dry stone wall, 150 feet long, 25 feet high, faced with concrete. Concrete spillway provided.

Topography—High ground on all sides rising gradually to maximum height of 300 feet. State road parallels two sides, 4 to 20 feet above water surface. Railroad siding on one side, 4 feet above water surface. Very little of surrounding country wooded, practically all cleared but not cultivated. Two ice houses, creamery and four dwellings near lake, 2 to 30 feet above water surface.

Inlet—Tributary of South Branch Tunkhannock Creek, 8 feet wide, 1.5 feet deep, flowing through channel free of debris.

Outlet—Tributary of South Branch Tunkhannock Creek, 15 feet wide, 1 foot deep, flowing through rocky channel full of debris.

Utilization—Ice harvesting, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically; increase would cause considerable damage to property on shore.

Ownership—Palmer Est., Glenburn, claims control.

GOOSE POND

Location—Southeastern Greene Township, west central Pike County, on Goose Pond Run, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

GOOSE POND

Location—Southern Paupack Township, central Wayne County, on branch of Wallenpaupack Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.5 square miles.

Elevation—1330 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,400 feet; maximum width 1,335 feet.

Area—41.6 acres.

Capacity—533 acre-feet or 174,000,000 gallons.

Depth—Prevailing 19 feet; maximum 27 feet.

Dam—None.

Topography—High ground on three sides rising rapidly to maximum height of 80 feet. Entire surrounding country covered with second growth timber, slightly marshy around inlet. One cottage on shore.

Inlet—Branch of Wallenpaupack Creek, 15 feet wide, 1 foot deep, flowing through marshy ground. Also fed by springs.

Outlet—Branch of Wallenpaupack Creek, 15 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control claimed; not limited to shore line.

GORMAN POND; also called BAIRDS LAKE or BARKLEY LAKE

Location—Southeastern Damascus Township, east central Wayne County. on headwaters of tributary to Delaware River, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1185 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 2,135 feet; maximum width 1,260 feet.

Area—43.7 acres.

Capacity—799 acre-feet or 260,000,000 gallons.

Depth—Prevailing 35 feet; maximum 46 feet.

Dam—None.

Topography—Low ground on three sides rising to maximum height of 12 feet. Public road parallels one shore, 5 feet above water surface. About 50% of surrounding country covered with second growth timber, 50% under cultivation. Two summer cottages and one dwelling near pond.

Inlet—Fed by springs.

Outlet—Tributary to Delaware River, 16 feet wide, 2 feet deep, flowing through marshy ground.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Simon J. Barkley, Narrowsburg, N. Y., claims control.

GOULDSBORO ICE POND (See WATAWGO, LAKE)

GRANT LAKE or MEHOOPANY, LAKE

Location—East central Colley Township, eastern Sullivan County, on branch of Mehoopany Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—2,050 (Bar.) referred to L. V. R. R. levels.

Shape—Circular, irregular; approximate diameter 2,000 feet.

Area—68.8 acres.

Capacity—444 acre-feet or 145,000,000 gallons.

Depth—Prevailing 10 feet; maximum 15 feet.

Dam—None.

Topography—Gradually rising ground on all sides reaching maximum height of approximately 100 feet. Shore swampy on all sides. Surrounding country covered with second growth timber.

Inlet—Fed by springs.

Outlet—Branch of Mehoopany Creek, 3 feet wide, 1 foot deep, flowing sluggishly through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Private control.

GRASSY LAKE

Location—Central Lehigh Township, south central Lackawanna County, on Pond Creek, Middle Delaware Sub-basin.

Area—Approximately 5 acres.

GRASSY POND

Location—Southeastern Ross Township, northwestern Luzerne County, on branch of Hunlock Creek, Lower North Branch Susquehanna Sub-basin.

Area—Approximately 13 acres.

GRASSY POND (See EARNEST, LAKE)

GRAVEL POND

Location—Glenburn Borough, western Lackawanna County, on branch of Dalton Run, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1170 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 2,830 feet; maximum width 1,250 feet.

Area—57.7 acres.

Capacity—895 acre-feet or 292,000,000 gallons.

Depth—Prevailing 30 feet; maximum 40 feet.

Dam—None.

Topography—Surrounding country rises gradually on all sides reaching maximum height of 200 feet. South side covered with second growth timber, remainder under cultivation. On shore two cottages and two farm houses, 6 to 50 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Dalton Run, 6 feet wide, 1 foot deep, flowing swiftly through clean channel.

Utilization—Private ice supply and summer camping ground.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; steep banks on outlet.

Ownership—Private control.

GREELY LAKE

Location—Southeastern Lackawaxen Township, north central Pike County, on Billiard Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 7.1 square miles.

Elevation—1169 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, narrow and irregular; maximum length 6,680 feet; maximum width 1,380 feet.

Area—60.3 acres.

Capacity—202 acre-feet or 66,000,000 gallons.

Depth—Prevailing 4 feet; maximum 7 feet.

Dam—Timber-crib, 225 feet long, 12 feet high, with earth and stone fill. Timber sluiceway provided.

Topography—Surrounding country generally high rising steeply to maximum height of 200 feet; approximately 50% covered with second growth timber, 50% under cultivation. Public road crosses neck of lake, 400 feet long, 3 to 4 feet above water surface. Several summer cottages and farms near lake, 20 to 60 feet above water surface.

Inlet—Billiard Creek, 7 to 8 feet wide, 1 to 2 feet deep, flowing through marshy ground.

Outlet—Billiard Creek, 15 to 16 feet wide, 1 to 3 feet deep, flowing with good fall through rocky channel.

Utilization—Private ice and water supply and summer resort; used also as water storage for sawmill on Billiard Creek.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased; steep banks at outlet; would flood farm land and public road.

Ownership—Private control.

GRIFFITHS DAM

Location—Central Jackson Township, east central Susquehanna County, on branch of Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 7 acres.

HALF MOON POND

Location—Northeastern Tunkhannock Township, west central Monroe County, headwaters of Upper Tunkhannock Creek, Middle Delaware Sub-basin.

Type—Natural.

Area—Approximately 15 acres.

HANDSOME POND

Location—Northeastern Benton Township, northwestern Lackawanna County on tributary of East Branch Tunkhannock Creek.

Type—Natural.

Drainage Area—Approximately 0.2 square mile.

Elevation—1280 (Bar.) referred to U. S. G. S. datum.

Shape—Oval, regular; maximum length 1,700 feet; maximum width 710 feet.

Area—23.1 acres.

Capacity—233 acre-feet or 76,000,000 gallons.

Depth—Prevailing 23 feet; maximum 27 feet.

Dam—None.

Topography—High ground on all sides rising gradually to maximum height of 100 feet, practically all forested with second growth timber.

Inlet—Fed by springs.

Outlet—Tributary of East Branch Tunkhannock Creek, 3 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low and marshy ground at outlet.

Ownership—Private control.

HANKINS POND

Location—Southern Mount Pleasant Township, west central Wayne County, on tributary of the West Branch Lackawaxen River, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.9 square miles.

Elevation—1480 (Bar.) referred to U. S. G. S. datum.

Shape—Irregular; maximum length 3,250 feet; maximum width 1,260 feet.

Area—67.4 acres.

Capacity—359 acre-feet or 117,000,000 gallons.

Depth—Prevailing 12 feet; maximum 15 feet.

Dam—Earth and stone, 600 feet long, 25 feet high. Sluiceway provided for regulation of height of water.

Topography—High ground on three sides rising about 150 feet above water surface. Public road parallels outlet about 30 feet below elevation top of dam. Approximately 75% of surrounding country covered with second growth timber, 25% cultivated. One house and one barn on watershed.

Inlet—Tributary of West Branch Lackawaxen River, 6 feet wide, 6 inches deep, flowing through clean channel.

Outlet—Tributary of West Branch Lackawaxen River, 6 feet wide, 6 inches deep, flowing through rocky channel.

Utilization—Private ice supply, boating, fishing and feeder for D. & H. canal.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Unknown.

Lake Laura, Pike County
(See page 98)

East Lake, Susquehanna County
(See page 59)

HARDING POND

Location—Southeastern Lenox Township, southeastern Susquehanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 3 acres.

HARLIS POND

Location—Northwestern Newton Township, west central Lackawanna County, on Hartley Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 3 acres.

HARMONY, LAKE (See BIG POND)

HARTFORD POND

Location—Southwestern Salem Township, southwestern Wayne County, on Jones Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 20.0 square miles.

Elevation—1370 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 5,250 feet; maximum width 880 feet.

Area—51.9 acres.

Capacity—155 acre-feet or 50,000,000 gallons.

Depth—Prevailing 7 feet; maximum 12 feet.

Dam—Timber-crib, 85 feet long, 12 feet high, with earth and stone fill. Spillway and sluiceway are provided.

Topography—Generally high ground on all sides rising rapidly to maximum height of 200 feet. Public road parallels one side. Entire surrounding country under cultivation. Sawmill located near outlet.

Inlet—Jones Creek, 12 feet wide, 1 foot deep, flowing through very marshy ground.

Outlet—Jones Creek, 20 feet wide, 3 feet deep, flowing through rocky channel.

Utilization—Private ice supply, boating, fishing and water power for sawmill.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Hartford Est., Hollisterville, claims control.

HARTLEYS LAKE

Location—Southern Lenox Township, south central Susquehanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural. Old dam destroyed.

Drainage Area—Approximately 0.4 square mile.

Elevation—1115 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, regular; diameter approximately 900 feet.

Area—21.3 acres.

Capacity—322 acre-feet or 105,000,000 gallons.

Depth—Prevailing 22 feet; maximum 28 feet.

Dam—Dilapidated.

Topography—Shores marshy since destruction of dam. Gradually rising ground on three sides reaching maximum height of 40 feet; approximately 30% thickly covered with second growth timber, 70% cultivated. Three farm dwellings near lake, 15 to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary of East Branch Tunkhannock Creek, 3 feet wide, 1 foot deep, flowing through marshy ground; channel full of debris.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be increased, if drainage area warranted same.

Ownership—Private control.

HARVEY LAKE

Location—Northeastern Lake Township, north central Luzerne County, on Harvey Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 7.2 square miles.

Elevation—1226, referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 15,640 feet; maximum width 4,960 feet.

Area—658.6 acres.

Capacity—23,732 acre-feet or 7,733,000,000 gallons.

Depth—Prevailing 50 feet; maximum 102 feet.

Dam—Stone masonry 120 feet long, 4 feet high. Two spillways are provided.

Topography—Hills on all sides, rising steeply in places and reaching maximum height of 410 feet on south. Public road parallels shore entirely around lake. L. V. R. R. on one side approximately

30 feet above water surface. Practically all surrounding country covered with second growth timber. Around margin are 3 hotels, 200 cottages and 60 boat houses; majority at least 15 feet above water surface.

Inlets—Two small streams, 4 to 8 feet wide, 6 inches deep, flowing through clean channels. Also fed by springs.

Outlet—Harvey Creek, 20 feet wide, 6 inches deep, flowing swiftly through clean channel.

Utilization—Private ice supply; summer resort; water supply for Nanticoke.

Navigation—Four steamboats, forty motor boats and rowboats; steamers carry passengers and freight between points on lake.

Opportunity for Storage—Good topographically; appreciable increase in height of water would damage considerable valuable property.

Ownership—Private parties claim land to shore line of lake. Commonwealth owns lake.

HATHAWAYS POND (See OREONOBA LAKE)

HATTONS MARSH

Location—Southeastern Colley Township, east central Sullivan County, on branch of Mehoopany Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 3 acres.

HAWKEYE POND; or TOBYHANNA STORAGE AND SUPPLY CO. DAM NO. 2

Location—Southeastern Coolbaugh Township, north central Monroe County, on Tobyhanna Creek, Middle Delaware Sub-basin.

Type—Artificial.

Area—Approximately 12 acres.

HAZARD POND

Location—Roaring Brook Township, Lackawanna County, headwaters of Stafford Meadow Brook, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Area—7.2 acres.

HEART LAKE; old name MUD POND

Location—Northern Scott Township, north central Lackawanna County, on Rush Brook, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1551 referred to U. S. G. S. datum.

Shape—Triangular, very irregular; maximum length 1,825 feet; maximum width 1,225 feet.

Area—30.5 acres.

Capacity—265 acre-feet or 86,000,000 gallons.

Depth—Prevailing 11 feet; maximum 28 feet.

Dam—None.

Topography—Steep hills on all sides rising gradually to maximum height of 75 feet; slightly marshy at one end; approximately 95% cultivated, 5% covered with second growth timber. Public road parallels one side for 1,500 feet, 3 to 5 feet above water surface. One bathing house near water edge and eight farms, 20 to 40 feet above water surface.

Inlet—Rush Brook, 2 feet wide, 3 to 4 inches deep, flowing through clean channel. Also fed by springs.

Outlet—Rush Brook, 4 feet wide, 4 to 6 inches deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating and fishing, also water supply for Borough of Jermyn.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Private control claimed. Consolidated Water Supply Co., Scranton, controls water rights.

HEART LAKE

Location—Northeastern Bridgewater and western New Milford townships, central Susquehanna County, on Hop Bottom Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1811 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular, maximum length 2,075 feet; maximum width 1,340 feet.

Area—43.6 acres.

Capacity—611 acre-feet or 199,000,000 gallons.

Depth—Prevailing 20 feet; maximum 34 feet.

Dam—None.

Topography—Surrounding country rises gradually to maximum height of 50 feet. Around outlet ground exceedingly low. Approximately 50% of surrounding country wooded with second growth timber, 50% under cultivation. Forty cottages and an ice house on shore, 5 to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Hop Bottom Creek, about 10 feet wide and 1 foot deep, small stream flowing through clean channel.

Utilization—Ice harvesting and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; ground around outlet low.

Ownership—Private control, limited to shore line.

HEINZ POND, or IDA, LAKE

Location—Northwestern Buck Township, east central Luzerne County, on branch of Shades Creek, Middle Delaware Sub-basin.

Type—Natural.

Elevation—1900 (Bar.) referred to U. S. G. S. datum.

Area—15.5 acres.

HELLS HALF-ACRE POND

Location—Northern Lenox Township, southeastern Susquehanna County, on branch of Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 18 acres.

HEMLOCK POND

Location—Southeastern Blooming Grove Township, central Pike County, headwaters of branch of Rocky Hill Creek, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

HENRY, LAKE

Location—South central Covington Township, southeastern Lackawanna County, on Lake Henry Creek, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—0.9 square mile.

Elevation—1906 referred to U. S. G. S. datum.

Area—69.4 acres.

Capacity—629 acre-feet or 205,000,000 gallons.

Dam—Masonry and earth embankments.
Utilization—Storage, water supply.
Ownership—Scranton Gas and Water Co., Scranton.

HENRY, LAKE

Location—Southwestern Lake Township, southwestern Wayne County, on branch of Jones Creek, Upper Delaware Sub-basin.

Type—Originally natural; dam considerably increased submergence.

Drainage Area—Approximately 9.0 square miles.

Elevation—1410 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, very irregular; maximum length 7,285 feet; maximum width 2,000 feet.

Area—256.4 acres.

Capacity—1,479 acre-feet or 482,000,000 gallons.

Depth—Prevailing 9 feet; maximum 23 feet.

Dam—Timber-crib, 90 feet long, 11.5 feet high, with earth and stone fill. Timber sluiceway regulated by gate provided.

Topography—Surrounding country generally low, rising gradually to maximum height of 40 feet. One end exceedingly marshy and full of stumps. About 50% of surrounding country covered with second growth timber, 50% under cultivation. One ice house and twelve cottages near lake.

Inlet—Branch of Jones Creek, 10 feet wide, 1 foot deep, flowing through clean channel.

Outlet—Branch of Jones Creek, 10 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Ice harvesting and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Several persons claim control.

HETZEL POND

Location—South central South Canaan Township, southwestern Wayne County, on small branch of Middle Creek, Upper Delaware Sub-basin.

Area—Approximately 6 acres.

HICKORY POND, BIG

Location—Central Preston Township, northwestern Wayne County, on headwaters of Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1938 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Long, irregular; maximum length 3,170 feet; maximum width 1,120 feet.

Area—57.3 acres.

Capacity—585 acre-feet or 191,000,000 gallons.

Depth—Prevailing 20 feet; maximum 24 feet.

Dam—None.

Topography—Surrounding country, due to elevation of lake, generally low and flat, practically covered with second growth timber.

Inlet—Fed by springs.

Outlet—Equinunk Creek, 7 feet wide, flowing through channel of gravel and sand.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; ground at outlet low.

Ownership—Searles, Jadwin & Co., Honesdale, claim control.

HICKORY POND, LITTLE

Location—Central Preston Township, northwestern Wayne County, on headwaters of Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.4 square mile.

Elevation—2050 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, irregular; maximum length 2,710 feet; maximum width 1,500 feet.

Area—52.4 acres.

Capacity—749 acre-feet or 244,000,000 gallons.

Depth—Prevailing 26 feet; maximum 35 feet.

Dam—None.

Topography—High ground on three sides rising gradually to maximum height of 20 to 30 feet. Slightly swampy around outlet. Practically entire surrounding country covered with second growth timber.

Inlet—Fed by springs.

Outlet—Branch of Equinunk Creek, 6 feet wide, 1 foot deep, flowing through marshy ground, channel full of debris.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Searles, Jadwin & Co., Honesdale, claim control.

HIGH LAKE

Location—Preston and Buckingham townships, north central Wayne County, on High Lake Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.4 square mile.

Elevation—1495 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Triangular, regular; maximum length 2,575 feet; maximum width 1,470 feet.

Area—47.4 acres.

Capacity—497 acre-feet or 162,000,000 gallons.

Depth—Prevailing 20 feet; maximum 27 feet.

Dam—None.

Topography—Surrounding country rises gradually from water edge; practically all under cultivation. Public road parallels one side.

Inlet—Fed by springs.

Outlet—High Lake Creek, 4 feet wide, 1 foot deep, flowing rapidly through rocky channel.

Utilization—Summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control.

HIGHLAND LAKE

Location—North Shrewsbury Township, east central Lycoming County, at headwaters of Fox Run, Lower West Branch Susquehanna Sub-basin.

Area—Approximately 10 acres.

HILLIARD, LAKE (See SHOHOLA FALLS DAM)

HOADLEYS POND

Location—South central Canaan Township, east central Wayne County, on branch of Middle Creek, Upper Delaware Sub-basin.

Area—Approximately 15 acres.

HONEY POND

Location—South central Clinton Township, west central Wayne County, Upper Delaware Sub-basin.

Area—Approximately 5 acres.

HONEY HOLE POND

Location—Eastern Butler Township, south central Luzerne County, on Nescopeck Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

HUFF POND

Location—Western Berlin Township, east central Wayne County, on branch of Lackawaxen River, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.3 square miles.

Elevation—1090 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, regular; maximum length 2,700 feet; maximum width 810 feet.

Area—33.8 acres.

Capacity—194 acre-feet or 63,000,000 gallons.

Depth—Prevailing 16 feet; maximum 18 feet.

Dam—None.

Topography—High ground on two sides rising rapidly from water edge to maximum height of 200 feet, outlet slightly swampy. About 50% of surrounding country covered with second growth timber, 50% cultivated. One dwelling near pond.

Inlet—Fed by springs.

Outlet—Branch of Lackawaxen River, 4 feet wide, 1 foot deep, flowing through swampy ground.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—William Williams, Honesdale, claims control.

HUNT LAKE (See LOCH EDEN LAKE)

HUNTERS LAKE

Location—Central Shrewsbury Township, southwestern Sullivan County, on headwaters of Trout Run, Lower West Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.8 square miles.

Elevation—1650, from local authority.

Shape—Long and narrow, rather irregular; maximum length 5,160 feet; maximum width 1,210 feet.

Area—90.2 acres.

Capacity—511 acre-feet or 166,000,000 gallons.

Depth—Prevailing 8 feet; maximum 19 feet.

Dam—Timber-crib, 650 feet long, 15 feet high, with earth and stone fill. Timber spillway and outlet pipe provided for regulation of height of water.

Topography—Surrounded by steep hills rising to maximum height of 200 feet. Marshy ground borders lake. Entire watershed wooded

with second growth timber. One dwelling near lake, 60 feet above water surface.

Inlet—Fed by springs.

Outlet—Trout Run, 20 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Regulating reservoir for hydroelectric plant one mile below on outlet; fishing and boating.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; steep banks on outlet.

Ownership—Eaglesmere Land Co., Eaglesmere, claims control.

HUNTERS RANGE POND, old name, TWELVE MILE POND

Location—Southern Porter Township, south central Pike County, on branch of Saw Creek or Middle Bushkill Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.0 square mile.

Elevation—1149 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, irregular; approximate diameter 3,040 feet.

Area—190.0 acres.

Capacity—3,431 acre-feet or 1,118,000,000 gallons.

Depth—Prevailing 28 feet; maximum 35 feet.

Dam—Small plank weir, 6 feet long, 18 inches high, backed with earth.

Topography—Surrounded by gradually rising ground reaching maximum height of 150 feet; densely wooded with second growth timber. One summer home and one ice house on shore, 5 to 10 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Saw Creek, 7 to 8 feet wide, 1 foot deep, flowing through rocky channel.

Utilization—Private ice supply and private summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Mary S. Mack, Allentown, claims control.

HUNTINGDON POND, JOHN (See WELCOME LAKE)

ICE LAKE

Location—Southeastern Denison Township, southeastern Luzerne County, on Wright Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 7.8 square miles.

Elevation—1235 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 3,060 feet; maximum width 1,250 feet.

Area—56.7 acres.

Capacity—251 acre-feet or 82,000,000 gallons.

Depth—Prevailing 8 feet; maximum 12 feet.

Dam—Timber-crib, 300 feet long, 8 feet high, with earth and stone fill. Two spillways are provided.

Topography—Surrounded by gradually rising ground reaching maximum height of 100 feet. Public road and L. V. R. R. parallel two sides, 4 to 10 feet above water surface. Practically all surrounding country covered with second growth timber.

Inlet—Wright Creek, 25 feet wide, 2 feet deep, flowing through clean channel in marshy ground.

Outlet—Wright Creek, 30 feet wide, 3 feet deep, flowing swiftly through clean rocky channel.

Utilization—Ice harvesting, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None.

Ownership—American Ice Co., Philadelphia, claims control.

IDA, LAKE (See HEINZ POND)

IDLEWILD, LAKE; old name LONG POND

Location—Northwestern Clifford Township, southeastern Susquehanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.1 square miles.

Elevation—1272 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, narrow, irregular; maximum length 3,520 feet; maximum width 1,250 feet.

Area—62.4 acres.

Capacity—506 acre-feet or 165,000,000 gallons.

Depth—Prevailing 12 feet; maximum 18 feet.

Dam—None.

Topography—Lake lies between two ranges of hills, with ground rising steeply for the most part to maximum height of 125 feet. About 35% of surrounding country densely wooded with second growth timber, 65% under cultivation. Four farm dwellings and one boat house on shore from 1 to 25 feet above water surface.

Inlet—Small stream, 3 feet wide and 6 inches deep, flowing through muddy channel, free of debris.

Outlet—Tributary of East Branch Tunkhannock Creek, 8 feet wide, 2 feet deep, flowing through rocky channel, full of debris.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Private control of land to shore line.

INDEPENDENT POND

Location—West central Preston Township, northwestern Wayne County, on tributary of East Branch Lackawanna River, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.2 square mile.

Elevation—2020 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, regular; maximum length 2,575 feet; maximum width 680 feet.

Area—30.2 acres.

Capacity—368 acre-feet or 120,000,000 gallons.

Depth—Prevailing 27 feet, maximum 35 feet.

Dam—None.

Topography—Pond lies near top of high hills; surrounding country generally low, reaching maximum height of about 10 feet; 50% covered with second growth timber, 50% is under cultivation.

Inlet—Fed by springs.

Outlet—Tributary of East Branch Lackawanna River, 10 feet wide, flowing swiftly through clean channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control claimed, of surrounding land to water edge.

ISLAND POND

Location—Southern Scott Township, northwestern Wayne County, on Starrucca Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.8 square miles.

Elevation—1800 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Triangular, regular; maximum length 1,820 feet; maximum width 1,450 feet.

Area—35.8 acres.

Capacity—520 acre-feet or 169,000,000 gallons.

Depth—Prevailing 26 feet; maximum 29 feet.

Dam—None.

Topography—Surrounding country low and flat, almost entirely under cultivation; timber growth scattered.

Inlet—Starrucca Creek, 3 feet wide, flowing through marshy ground. Also fed by springs.

Outlet—Starrucca Creek, 10 feet wide, flowing through clean channel.

Utilization—Private ice supply and boating.

Navigation—Rowboats.

Opportunity for Storage—None, extremely low surrounding country.

Ownership—Several persons own surrounding land to shore line.

JACKSON POND

Location—Central Damascus Township, east central Wayne County, on small tributary of North Branch Calkins Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1335 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—11.0 acres.

JEAN, LAKE

Location—Northwestern Fairmount Township, northwestern Luzerne County, also southeastern Colley Township in southeastern Sullivan County, on branch of Kitchen Creek, Lower North Branch Susquehanna Sub-basin.

Type—Originally natural.

Drainage Area—Approximately 3.5 square miles.

Elevation—2220 (Bar.) referred to L. V. R. R. levels.

Shape—Very irregular; maximum length 10,560 feet; maximum width 1,980 feet.

Area—296.0 acres.

Depth—When water in lake is at maximum height, prevailing depth 10 feet, and maximum depth 20 feet.

Dam—Timber-crib, 300 feet long, 20 feet high, partly filled with stone. Timber spillway and sluiceway are provided for regulation of height of water. Earthen dike, 900 feet long, extends along shore from one end of dam.

Topography—Surrounding country rises gradually to maximum height of 90 feet; practically entire watershed covered with second growth timber.

Inlet—Branch of Kitchen Creek, 10 feet wide, 1 to 2 feet deep, flowing through clean channel.

Outlet—Branch of Kitchen Creek, 10 feet wide, 1 to 2 feet deep, flowing through clean channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Col. R. B. Ricketts, Forty Fort, claims control.

JEFFERS POND

Location—Western Lenox Township, south central Susquehanna County, on branch of Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Elevation—1082 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—Approximately 14.9 acres.

JONES LAKE

Location—Northern Bridgewater Township, central Susquehanna County, on Snake Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam increased area flooded.

Drainage Area—Approximately 1.0 square miles.

Elevation—1117 referred to State Highway Department levels from U. S. G. S. datum.

Shape—Elliptical, regular; maximum length 2,725 feet; maximum width 1,120 feet.

Area—45.3 acres.

Capacity—803 acre-feet or 262,000,000 gallons.

Depth—Prevailing 27 feet; maximum 39 feet.

Dam—Earth and stone embankment, 125 feet long, 15 feet high, with private roadway on crest. Stone spillway and outlet pipe provided for regulating height of water.

Topography—Surrounded by gradually rising ground reaching maximum height of 100 feet. Public road parallels two sides for 3,000 to 3,500 feet, 3 to 4 feet above water surface. Approximately 20% of surrounding country covered with second growth timber, 80% cultivated. Four farm houses and outbuildings, two ice houses, four cottages and five boat houses near lake, 1 to 15 feet above water surface.

Inlet—Snake Creek, 6 feet wide, 6 inches deep, flowing through clean marshy ground.

Outlet—Snake Creek, 10 feet wide, 2 feet deep, flowing through clean rocky channel.

Utilization—Water supply for Borough of Montrose, boating and fishing. Water company has installed pump raising water into reservoir.

Navigation—Rowboats.

Opportunity for Storage—None; low around outlet; also on north side of lake.

Ownership—Private control of land to shore line. The Consumers Water Company, Scranton, claims lake.

JONES LAKE (See BIG POND)

JULIET LAKE

Location—Southeastern Dingman Township, east central Pike County, on branch of Raymond Kill, Upper Delaware Sub-basin.

Type—Artificial.

Elevation—785 (Bar.) referred to U. S. G. S. datum.

Area—Approximately 9 acres.

KEENS LAKE; also called KEENS POND

Location—Northeastern Canaan Township, west central Wayne County, on tributary of Waymart Branch, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 15.8 square miles.

Elevation—1270 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 4,000 feet; maximum width 1,700 feet.

Area—86.4 acres.

Capacity—887 acre-feet or 289,000,000 gallons.

Depth—Prevailing 16 feet; maximum 31 feet.

Dam—Vertical dry stone wall, 100 feet long, 25 feet high, with earth and stone fill. Timber spillway and sluiceway provided for regulation of height of water.

Topography—Surrounded by hills rising rapidly and reaching maximum height of 200 feet. Public roads parallel two sides, 5 to 30 feet above water surface. Railroad crosses one end on small fill. Approximately 25% surrounding country covered with second growth timber, 75% cultivated. One ice house and five farm houses near lake, 10 to 50 feet above water surface.

Inlet—Tributary of Waymart Branch, 20 feet wide, 6 inches deep, flowing through clean rocky channel.

Outlet—Tributary of Waymart Branch, 25 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Ice harvesting, boating and fishing; was used, originally as feeder for D. & H. Canal.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased.

Ownership—Patrick McNulty, Honesdale, claims control.

KEENS MILL POND

Location—North central Canaan Township, west central Wayne County, on Waymart Branch, Upper Delaware Sub-basin.

Area—Approximately 15 acres.

KELLOW POND (See WILCOX POND, UPPER)

KENTS ICE POND

Location—Pike Township, east central Potter County, Middle West Branch Susquehanna Sub-basin.

Area—Approximately 3 acres.

KETCHELLS POND (See VIEW, LAKE)

KEWAUNA, LAKE (See WINDFALL POND)

KINNEYS POND (See TUSCARORA LAKE)

KIZER POND

Location—South central South Canaan Township, southwestern Wayne County, on branch of Middle Creek, Upper Delaware Sub-basin.

Area—Approximately 10 acres.

KIZERS POND; also called KIZERS LAKE

Location—Eastern Jefferson Township, east central Lackawanna County, on branch of Jones Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.5 square miles.

Elevation—1580 (Bar.) referred to U. S. G. S. datum.

Shape—Long, triangular, regular; maximum length 4,020 feet; maximum width 1,575 feet.

Area—84.6 acres.

Capacity—250 acre-feet; 81,000,000 gallons.

Depth—Prevailing 5 feet; maximum 10 feet.

Dam—Vertical dry stone wall, 150 feet long, 9 feet high, with earth and stone fill; roadway on crest. Small spillway provided.

Topography—Surrounding country rises gradually reaching maximum height of 200 feet. Slightly swampy on one side. Public highway parallels two sides, 1 to 150 feet above water surface. Entire surrounding country covered with second growth timber. One dwelling near pond, 30 feet above water surface.

Inlet—Branch of Jones Creek, 5 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Branch of Jones Creek, 8 feet wide, 1 foot deep, flowing through clean open channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; due to low ground.

Ownership—J. D. Kizer, Scranton, claims control.

KLIENHANS MILL POND

Location—Western Blooming Grove Township, west central Pike County, on Blooming Grove Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 10.8 square miles.

Elevation—1488 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,100 feet; maximum width 1,084 feet.

Area—21.2 acres.

Capacity—148 acre-feet or 48,000,000 gallons.

Depth—Prevailing 8 feet; maximum 18 feet.

Dam—Vertical dry stone wall, 150 feet long, 19 feet high, backed with earth and stone fill. Spillway, or sluiceways, provided in three sections.

Topography—Pond lies between two ranges of hills rising to maximum height of 300 feet on one side and 50 feet on the other; 50% covered with second growth timber. Several dwellings below dam, on Blooming Grove Creek.

Inlet—Blooming Grove Creek, 20 to 25 feet wide, 1 to 2 feet deep, flowing through clean channel in marshy ground.

Outlet—Blooming Grove Creek, 25 to 30 feet wide, 1 to 2 feet deep, flowing through clean channel in gravel.

Utilization—None. Originally used for water storage, mill and tannery.

Navigation—None.

Opportunity for Storage—Could be increased, high banks at outlet.

Ownership—Kleinhan's heirs claim control.

KLONDYKE LAKE (Two parts)

Location—Northeastern Clifton Township, southeastern Lackawanna County, also western Lehigh Township, south central Wayne County, on Lehigh River, Middle Delaware Sub-basin.

Type—Artificial, in two parts, with dam between.

Drainage Area—Approximately 1.2 square miles.

Elevation—Upper 1889, lower 1884; (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, narrow, rather irregular; maximum length 2,660 feet; maximum width 1,110 feet.

Area—40.9 acres.

Capacity—363 acre-feet or 125,000,000 gallons.

Depth—Prevailing 6.2 feet; maximum 11 feet.

Dam—No. 1 or lower: Timber-crib, 600 feet long, 13 feet high, with earth and stone fill. A spillway with sluiceway in center, provided for regulation of height of water. No. 2 or middle: Timber-crib, about 500 feet long, 5 feet high, with earth and stone fill. Spillway and two wooden sluiceways provided.

Topography—Surrounding country generally flat, rising gradually to maximum height of 100 feet; approximately 90% covered with second growth timber, 10% cultivated. Two dwellings, one ice house and several barns near lake, 2 to 5 feet above water surface.

Inlets—Two branches of Lehigh River, 15 to 20 feet wide, 1 to 2 feet deep. One branch flows through marshy ground; the other through clean gravelly channel. Also fed by springs.

Outlet—Lehigh River, 10 feet wide, 2 feet deep, flowing through clean rocky channel.

Utilization—Ice harvesting.

Navigation—None.

Opportunity for Storage—None; low ground around outlet.

Ownership—Lackawanna Mountain Ice Co. claims control.

KNOB POND (See LAURA, LAKE)

LADORE, LAKE; or STANTON POND

Location—Central Canaan Township, west central Wayne County, on tributary of Waymart Branch, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.5 square miles.

Elevation—1350 (Bar.) referred to U. S. G. S. datum.

Shape—Very irregular; maximum length 8,000 feet; maximum width 4,270 feet.

Area—255.4 acres.

Capacity—1,606 acre-feet or 523,000,000 gallons.

Depth—Prevailing 8 feet; maximum 21 feet.

Dam—Concrete, 300 feet long, 22 feet high. Spillway and outlet pipe provided for regulation of height of water.

Topography—High surrounding ground rises to maximum height of 80 feet, practically all covered with second growth timber. Dock and one ice house on shore.

Inlet—Tributary of Waymart Branch, 6 feet wide, 6 inches deep, flowing through marshy ground, channel full of debris. Also fed by springs.

Outlet—Tributary of Waymart Branch, 20 feet wide, 6 inches deep, flowing through clean rocky channel.

Utilization—Private ice supply and summer amusement park.

Navigation—Small steam boats and motor boats.

Opportunity for Storage—Could be increased; steep banks at outlet; some damage to improvements.

Ownership—Patrick McNulty, Honesdale, claims control.

LAKEMONT PARK LAKE

Location—South central Logan Township, central Blair County, on Brush Run, Upper Juniata Sub-basin.

Type—Artificial.

Elevation—1000, referred to U. S. G. S. datum.

Area—12.8 acres.

LAKESIDE POND; old name, TARBLE POND

Location—Central Lathrop Township, south central Susquehanna County, on branch of Horton Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam caused considerable additional submergence.

Drainage Area—Approximately 1.9 square miles.

Elevation—1124 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular; irregular; maximum length 3,010 feet; maximum width 1,260 feet.

Area—49.9 acres.

Capacity—610 acre-feet or 199,000,000 gallons.

Depth—Prevailing 17 feet; maximum 26 feet.

Dam—Concrete and stone masonry, approximately 125 feet long, 18 feet high. Concrete spillway and outlet pipe provided for regulation of height of water.

Topography—Pond lies between two ranges of hills rising gradually to maximum height of about 125 feet. Public road along one side for approximately 3,000 feet, 3 to 4 feet above water surface. Almost entire watershed under cultivation, about 10% covered with second growth timber. Island of approximately one acre area, rises to maximum height of 5 or 6 feet above water surface. Public school, church and five farm houses with outbuildings near pond at height of 10 to 60 feet above water surface.

Inlet—Branch of Horton Creek about 4 feet wide and 1 foot deep, flowing through clean rocky channel. Also fed by springs.

Outlet—Branch of Horton Creek about 8 feet wide and 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating and fishing. Used as regulating reservoir for Nicholson Borough water supply. Height of water in lake varies from 10 to 12 feet during summer months.

Navigation—Rowboats.

Opportunity for Storage—Good; narrow valley at outlet.

Ownership—Several persons claim pond, not limited to shore line, water right reserved.

LATHROPS LAKES, ONE OF (See ELK LAKES, BIG and LITTLE)

LAURA, LAKE; old name KNOB POND

Location—Eastern Greene and southwestern Blooming Grove townships, west central Pike County, on Wells Creek, Upper Delaware Sub-basin.

Type—Originally natural; dam caused only slight increase in area.

Drainage Area—Approximately 1.1 square miles.

Elevation—1857 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 4,020 feet; maximum width 1,860 feet.

Area—122.2 acres.

Capacity—2,113 acre-feet or 688,000,000 gallons.

Depth—Prevailing 22 feet; maximum 35 feet.

Dam—Vertical dry masonry wall, 50 feet long, 4 feet high, backed with earth and stone fill. Small wooden sluiceway provided.

Topography—Surrounded by gradually rising ground reaching maximum height of 75 feet on south side. This is one of highest lakes in Pike County, lying near summit of Knob Mountain. Prac-

tically entire watershed densely wooded with second growth timber and brush. Four cottages at lake, 10 to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Wells Creek, 3 to 4 feet wide, 4 inches deep, flowing through slightly marshy ground, channel filled with debris.

Utilization—Private water and ice supply; private summer home.

Navigation—Rowboats.

Opportunity for Storage—None; low ground surrounding lake.

Ownership—Blooming Grove Hunting & Fishing Club, claims control of lake and surrounding country.

LAUREL LAKE; old name DURBENT LAKE; also MUD LAKE, (Two parts)

Location—Eastern Silver Lake Township, northwestern Susquehanna County, on branch of Silver Creek, Upper North Branch Susquehanna Sub-basin.

Type—Upper, natural; lower artificial; connected by narrow channel.

Drainage Area—Approximately 1.1 square miles.

Elevation—1588 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, very irregular; maximum length 4,200 feet; maximum width 805 feet.

Area—48.5 acres.

Capacity—371 acre-feet or 121,000,000 gallons.

Depth—Prevailing 11 feet; maximum 15 feet.

Dam—Vertical dry stone wall, approximately 80 feet long, 10 feet high, backed with earth and stone. Stone spillway provided.

Topography—Surrounding country rises rapidly to approximate elevation of 100 feet above water surface. Public road along one side for about 1,500 feet, 3 to 6 feet above water surface. Approximately 10% of country wooded with second growth timber, 90% cultivated. Small village near shore about 5 to 20 feet above water surface.

Inlets—Two small streams, 4 to 6 feet wide, 6 inches deep, flowing through clean rocky channels.

Outlet—Branch of Silver Creek, 8 feet wide and 6 inches deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Upper or natural portion, private control limited to shore line; lower or artificial portion, control not limited to shore line.

LAUREL LAKE

Location—Central Damascus Township, northeastern Wayne County, on North Branch Calkins Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1280 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 2,500 feet; maximum width 1,315 feet.

Area—51.0 acres.

Capacity—617 acre-feet or 201,000,000 gallons.

Depth—Prevailing 19 feet; maximum 28 feet.

Dam—Stone masonry wall, 200 feet long, 2 feet high. Spillway provided.

Topography—Gradually rising ground on three sides reaching maximum height of 50 feet; practically all under cultivation. Near lake are one ice house, one summer cottage and large hotel.

Inlet—North Branch Calkins Creek, 10 feet wide, 1 foot deep.

Outlet—North Branch Calkins Creek, 12 feet wide, 1 foot deep.

Utilization—Ice harvesting and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control.

LAURELDALE LAKE (See PROMISE LAND POND)

LEACH LAKE (See WHITE LAKE)

LEBOEUF, LAKE

Location—Southern Waterford Township, south central Erie County, on Leboeuf Creek, Upper Allegheny Sub-basin.

Type—Natural.

Drainage Area—Approximately 64.2 square miles.

Elevation—1167 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,715 feet; maximum width 2,400 feet.

Area—70.3 acres.

Capacity—1,000 acre-feet or 326,000,000 gallons.

Depth—Prevailing 16 feet; maximum 29 feet.

Dam—None.

Topography—Surrounded by marshy ground rising gradually to maximum height of 15 feet. Small island in center of lake. Approximately 75% of surrounding country covered with second growth timber, 25% cultivated. Two sheds or boat houses on shore 1 foot above water surface.

Inlets—Leboeuf Creek, 25 feet wide, 4 feet deep, flowing through clean channel; also Trout Creek, 10 feet wide, 2 feet deep.

Outlet—Leboeuf Creek, 25 feet wide, 4 feet deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low surrounding country.

Ownership—Commonwealth of Pennsylvania. Private control of land to shore line.

LEHMAN LAKE

Location—Northern Lehman Township, south central Pike County, on Little Bushkill Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 18.5 square miles.

Elevation—1183 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 2,640 feet; maximum width 470 feet.

Area—20.0 acres.

Capacity—105 acre-feet or 34,000,000 gallons.

Depth—Prevailing 6 feet; maximum 9 feet.

Dam—Timber-crib, 200 feet long, 9 feet high, filled with earth and stone. Spillway provided for regulation of height of water.

Topography—Steeply rising ground on two sides reaching maximum height of 75 feet. Surrounding country covered with second growth timber. Ice house at water edge and club house on shore 20 feet above water surface.

Inlet—Little Bushkill Creek, 30 to 40 feet wide, 1 to 3 feet deep, flowing through rocky channel full of debris.

Outlet—Little Bushkill Creek, 30 to 40 feet wide, 1 to 3 feet deep, flowing through rocky channel full of debris.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Lehman Lake Hunting & Fishing Club, not limited to shore line.

LEIGH, LAKE

Location—Northwestern Fairmount Township, northern Luzerne County, on Glenleigh Creek, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.1 square miles.

Elevation—2220 (Bar.) referred to L. V. R. R. levels.

Shape—Oval, very irregular; maximum length 4,550 feet; maximum width 2,640 feet.

Area—137.0 acres.

Depth—At maximum water height prevailing depth 12 feet; maximum 32 feet.

Dam—Reinforced concrete, Ambursen type, 320 feet long, 29 feet high, with earthen embankment at each end; one embankment contains concrete core wall. Spillway and three blow-off pipes provided.

Topography—Surrounded by generally high ground rising gradually to maximum height of 80 feet; practically entire watershed covered with second growth timber.

Inlet—Glenleigh Creek, 5 feet wide, 1-foot deep, flowing slowly through clean channel.

Outlet—Glenleigh Creek, 6 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Boating and fishing, (private).

Navigation—Rowboats.

Opportunity for Storage—None, low ground at outlet.

Ownership—Col. R. B. Ricketts, Forty Fort, claims control.

LEWIS LAKE (See EAGLESMERE LAKE)

LEWIS LAKE

Location—Southern Herrick Township, southeastern Susquehanna County, on Fiddle Lake Creek, Lower North Branch Susquehanna Sub-basin.

Type—Originally natural; dam caused considerable increase in area submergence.

Drainage Area—Approximately 6.4 square miles.

Elevation—1690 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 3,200 feet; maximum width 1,400 feet.

Area—49.9 acres.

Capacity—737 acre-feet or 240,000,000 gallons.

Depth—Prevailing 20 feet; maximum 39 feet.

Dam—Stone wall, 200 feet long, 12 feet high, backed with earth and stone fill. Spillway and timber sluiceway provided.

Topography—Surrounding country rises gradually reaching maximum height of 100 feet; about 30% densely wooded with second growth timber, 70% cultivated. Ten summer cottages and three farm dwellings near lake, 3 to 15 feet above water surface.

Inlet—Fiddle Lake Creek, 20 to 30 feet wide, 3 feet deep, flows through swamp for some distance, channel free of debris.

Outlet—Fiddle Lake Creek, 10 feet wide, 6 inches deep, flows through rocky channel with some debris.

Utilization—Summer resort. Regulating pool for grist and planing mills; water supply for Erie R. R. water tanks; private ice supply; available storage for Scranton Gas & Water Co.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; steep banks at outlet.

Ownership—Private control claimed. Grist mill, planing mill and Erie R. R. have water rights.

LEWIS ICE POND

Location—Central Allegany Township, north central Potter County, at Seven Bridges, Upper Allegheny Sub-basin.

Area—Approximately 5 acres.

LILLY LAKE (See MUD LAKE)

LILY LAKE (See NORTH POND)

LILY LAKE

Location—Southwestern North Abington Township, northwestern Lackawanna County, on tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1190 (Bar.) referred to U. S. G. S. datum.

Shape—Long and narrow; maximum length 2,880 feet; maximum width 680 feet.

Area—31.3 acres.

Capacity—319 acre-feet or 104,000,000 gallons.

Depth—Prevailing 18 feet; maximum 35 feet.

Dam—None.

Topography—Surrounded by high ground rising gradually to maximum height of 400 feet. Marshy ground borders lake. Practically entire watershed covered with second growth timber. Two cottages near shore, 6 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary to South Branch Tunkhannock Creek, 3 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Ownership—Mortamon Fuller, Scranton, claims control.

LILY LAKE (See LONG POND)

LITTLE LAKE (See WILLIAM, LAKE)

LITTLE POND

Location—East central Wilmot Township, southeastern Bradford County, on small branch of Sugar Run Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 6 acres.

LITTLE POND

Location—Southern Jefferson Township, east central Lackawanna County, on west branch of Wallenpaupack Creek, Upper Delaware Sub-basin.

Elevation—1995 (Bar.) referred to U. S. G. S. datum.

Area—13.5 acres.

LIZARD LAKE (See STARLIGHT LAKE)

LOBEZ POND (See BEAVER POND)

LOCH EDEN LAKE; old name HUNT LAKE

Location—Southern New Milford Township, central Susquehanna County, on Nine Partners Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1483 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—18.3 acres.

LOCKLIN LAKE (See PURDYS POND)

LOCKWOOD POOL POND

Location—Northeastern Denison Township, southeastern Luzerne County, on Wright Creek, Middle Delaware Sub-basin.

Type—Artificial.

Elevation—1455 (Bar.) referred to C. R. R. of N. J. levels.

Area—9.5 acres.

LOG TAVERN POND, BIG

Location—Central Dingman Township, east central Pike County, on branch of Dwarfs Kill, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.5 square miles.

Elevation—1317, referred to U. S. G. S. datum.

Shape—Long and narrow, rectangular, maximum length 5,115 feet; maximum width 1,745 feet.

Area—123.6 acres.

Capacity—700 acre-feet; 228,000,000 gallons.

Depth—Prevailing 14 feet; maximum 14 feet.

Dam—None.

Topography—Surrounding country rises gradually in places reaching maximum height of 180 feet. Entire surrounding country densely wooded with second growth timber. Two dwellings and several outbuildings near pond, 2 to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Dwarfs Kill, 8 feet wide, 1 to 2 feet deep, flowing through flat and marshy ground.

Utilization—Private ice supply and summer home.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—J. G. Hilliard, Brooklyn, N. Y., owns pond and surrounding country.

LOG TAVERN POND, LITTLE

Location—Central Dingman Township, east central Pike County, on branch of Raymond Kill, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.8 square mile.

Elevation—1300, referred to U. S. G. S. datum.

Shape—Oval, irregular; maximum length 2,950 feet; maximum width 2,290 feet.

Area—88.3 acres.

Capacity—2,286 acre-feet or 745,000,000 gallons.

Depth—Prevailing 45 feet; maximum 65 feet.

Dam—None.

Topography—Ground rises gradually from water edge to maximum height of 200 feet. Practically entire watershed densely covered with second growth timber.

Inlet—Fed by springs.

Outlet—Branch of Raymond Kill, 6 to 8 feet wide, 2 to 3 feet deep, flowing through rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; topographically.

Ownership—Mrs. Hildebrand, Philadelphia, claims control.

LONG POND

Location—Central Tunkhannock Township, west central Monroe County, on Tunkhannock Creek, Middle Delaware Sub-basin.

Type—Natural; backwater from creek.

Drainage Area—Approximately 11 square miles.

Elevation—1832 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very long and narrow, irregular; maximum length 13,300 feet; maximum width 720 feet.

Area—59.2 acres.

Capacity—177 acre-feet or 58,000,000 gallons.

Depth—Prevailing 4 feet; maximum 6 feet.

Dam—None.

Topography—Lake in valley between two ranges of mountains. Ground flat on each side for some distance, rising gradually to maximum height of 50 feet. On south side, one point rises steeply to height of approximately 150 feet. Shores very marshy for considerable distance with pond filled with grass. Approximately 70% of the surrounding country covered with second growth timber and brush, 30% under cultivation. Near shore are 14 farm buildings with outbuildings, 20 to 40 feet above water surface.

Inlet—Tunkhannock Creek, 20 feet wide, 3 feet deep, flowing through marshy ground, muddy channel full of grass. Also fed by springs.

Outlet—Tunkhannock Creek, 30 feet wide, 3 feet deep, flowing through muddy channel full of grass.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be considerably increased. It is claimed actual survey showed that dam 32 feet high would raise water over ridge above inlet.

Ownership—Pocono Water Supply Co., claims control.

LONG POND (See WESTBROOKS LAKE)

LONG POND; also known as LILY LAKE

Location—East central Conyngham Township, also partly in northwestern Slocum Township, west central Luzerne County, on branch of Little Wapwallopen Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.2 square miles.

Elevation—990 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, irregular, maximum length 4,985 feet; maximum width 2,170 feet.

Area—108.1 acres.

Capacity—1,263 acre-feet; 411,000,000 gallons.

Depth—Prevailing 21 feet; maximum 32 feet.

Dam—Vertical dry stone wall, 50 feet long, 10 feet high, backed with earth and stone fill. Timber sluiceway provided.

Topography—Surrounding country generally low. Ground on north rises rapidly to maximum height of 500 feet; east side marshy. Public road parallels one side, 5 feet above water surface. Practically entire watershed covered with second growth timber. Six cottages, one hotel and one ice house near pond, 6 to 30 feet above water surface.

Inlet—Branch of Little Wapwallopen Creek, 3 feet wide, 6 inches deep, flowing through swampy ground; channel strewn with debris.

Outlet—Branch of Little Wapwallopen Creek, 4 feet wide, 1 foot deep, flowing swiftly through rocky channel, full of debris.

Utilization—Private ice supply and summer resort.

Opportunity for Storage—Good; high banks at outlet.

Navigation—Rowboats.

Ownership—Private parties claim control.

LONG POND

Location—Southeastern Preston Township, north central Wayne County, on branch of Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1495 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, rather irregular; maximum length 2,715 feet, maximum width 1,100 feet.

Area—41.7 acres.

Capacity—1,045 acre-feet or 341,000,000 gallons.

Depth—Prevailing 46 feet; maximum 53 feet.

Dam—None.

Topography—Low ground on all sides rising gradually from water edge. Entire surrounding country under cultivation.

Inlet—Fed by springs.

Outlet—Branch of Equinunk Creek, 8 feet wide, flowing through rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; ground low at outlet.

Ownership—Private parties claim control.

LONG POND; also called CHESTNUT LAKE

Location—North Berlin Township, east central Wayne County, at headwaters of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.8 square mile.

Elevation—1750 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, irregular; maximum length 2,510 feet; maximum width 815 feet.

Area—24.9 acres.

Capacity—160 acre-feet or 52,000,000 gallons.

Depth—Prevailing 14 feet; maximum 18 feet.

Dam—None.

Topography—Low ground on three sides rising gradually to maximum height of 30 feet. Slightly marshy at outlet. Entire surrounding country covered with second growth timber.

Inlet—Fed by springs.

Outlet—Mast Hope Creek, 4 feet wide, 1 foot deep, flowing sluggishly through marshy ground.

Utilization—Private ice supply, boating and fishing.

Opportunity for Storage—None; surrounding country low.

Ownership—Private parties claim control.

LONG POND (See CRAMER POND)

LONG POND (See IDLEWILD, LAKE)

LONG POND

Location—Lake and Paupack townships, south central Wayne County, on Lakeville Creek, Upper Delaware Sub-basin.

Type—Originally natural; small additional area flooded.

Drainage Area—Approximately 0.7 square mile.

Elevation—1395 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, narrow, irregular; maximum length 5,890 feet; maximum width 960 feet.

Area—75.8 acres.

Capacity—544 acre-feet or 177,000,000 gallons.

Depth—Prevailing 11 feet; maximum 30 feet.

Dam—Dry stone wall, 200 feet long, 5 feet high, with earth fill. Spillway provided.

Topography—Surrounding country generally high, rising rapidly to maximum height of 80 feet; covered with second growth timber.

One end of lake exceedingly marshy. One dwelling and three barns on shore near outlet.

Inlet—Fed by springs.

Outlet—Lakeville Creek, 20 feet wide, 2 feet deep, flowing through rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—A. C. James, Lakeville, claims control.

LONG RIDGE POND

Location—Northeastern Palmyra Township, southeastern Wayne County, on Swamp Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1300 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—17 acres.

LOOMIS LAKE

Location—Northwestern Lenox Township, south central Susquehanna County, on branch of Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.7 square mile.

Elevation—1303 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Elliptical, irregular; maximum length 1,980 feet; maximum width 1,160 feet.

Area—37.5 acres.

Capacity—631 acre-feet, 206,000,000 gallons.

Depth—Prevailing 25 feet; maximum 33 feet.

Dam—None.

Topography—Hills on three sides rising gradually to approximately 125 feet in height; 15% of surrounding country covered with second growth timber, 85% cultivated. Public road on two sides of lake for approximately three-quarters of a mile, 6 to 8 feet above water surface. On shore are eight or nine summer cottages, 6 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Tunkhannock Creek, about 10 feet wide and 6 inches deep, flowing through muddy channel full of debris.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Private parties, not limited to shore line.

LOPEZ POND

Location—Southeastern Laporte Township, southeastern Sullivan County, headwaters of Lopez Creek, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

LORD POND

Location—Northwestern Lathrop Township, southern Susquehanna County, on branch of Horton Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.5 square miles.

Elevation—1139 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Elliptical, irregular; maximum length 2,275 feet; maximum width 900 feet.

Area—32.0 acres.

Capacity—378 acre-feet or 123,000,000 gallons.

Depth—Prevailing 16 feet; maximum 21 feet.

Dam—None.

Topography—Steep hills on three sides; ground rising from 100 to 150 feet in height. Approximately 50% of surrounding country thickly covered with second growth and virgin timber, 50% cultivated. One cottage near lake, 15 feet above water surface.

Inlet—Small stream, probably dry during summer months, about 2 feet wide and 1 foot deep, flowing through marshy ground. Fed by springs.

Outlet—Small branch Horton Creek, about 6 feet wide and 1 foot deep, flowing through gravelly channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Private parties, not limited to shore line.

LOVELLS POND

Location—East central Oregon Township, east central Wayne County, at headwaters of branch of Carley Brook, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1110 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—16.5 acres.

LOW LAKE

Location—Central Herrick Township, southeastern Susquehanna County, on tributary of Fiddle Lake Creek, Lower North Branch Susquehanna Sub-basin.

Type—Originally natural; dam flooded additional area.

Drainage Area—Approximately 0.4 square mile.

Elevation—1870 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, regular; maximum length 2,810 feet; maximum width 1,000 feet.

Area—51.2 acres.

Capacity—603 acre-feet or 197,000,000 gallons.

Depth—Prevailing 17 feet; maximum 21 feet.

Dam—Earth and stone embankment, 200 feet long, 5 feet high. Plank sluiceway provided for regulation of height of water.

Topography—Gradually rising hills on three sides reaching maximum height of 60 feet. Very marshy on one side. Approximately 25% of surrounding country thinly covered with second growth timber, 75% under cultivation. Two farm dwellings and outbuildings near lake, 20 to 30 feet above water surface.

Inlet—Small stream, 8 feet wide, 4 inches deep, flows through marshy ground with channel free of debris.

Outlet—Tributary of Fiddle Lake Creek, 4 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing; used as regulating reservoir for grist mill.

Navigation—Rowboats.

Opportunity for Storage—None; low country around outlet.

Ownership—Consolidated Water Supply Co., Scranton, claims control of lake and ground for a distance above high water mark. Erie Railroad Co., claims strip of land next to water company; Uniondale Milling Co., also claims a water right.

LOWER DAM; also called FROST POND

Location—Southern Windham Township, northwestern Wyoming County, on Little Mehoopany Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—4.5 square miles.

Elevation—1005 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 1,980 feet; maximum width 1,525 feet.

Area—35.8 acres.

Capacity—168 acre-feet or 55,000,000 gallons.

Depth—Prevailing 8 feet; maximum 11 feet.

Dam—Vertical dry stone wall, 100 feet long, 12 feet high, backed with earth and stone fill. Spillway provided.

Topography—Generally high ground on all sides rising gradually to maximum height of 160 feet; about 25% covered with second growth timber, 75% cultivated.

Inlet—Little Mehoopany Creek, 15 feet wide, 2 feet deep, flowing slowly through clean rocky channel.

Outlet—Little Mehoopany Creek, 20 feet wide, 2 feet deep, flowing swiftly through clean, rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control claimed.

LOWER LAKE

Location—Northwestern Harford Township, central Susquehanna County, on Martin Creek, Upper North Branch Susquehanna Subbasin.

Type—Natural.

Drainage Area—Approximately 3.3 square miles.

Elevation—1287 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular, maximum length 1,800 feet, maximum width 1,260 feet.

Area—35.3 acres.

Capacity—392 acre-feet or 128,000,000 gallons.

Depth—Prevailing 14 feet; maximum 27 feet.

Dam—Vertical dry stone wall about 100 feet long, 7 feet high, backed with earth and stone fill. Plank spillway controls head of 5 feet.

Topography—Lake lies between two ranges of hills rising steeply in places to maximum height of 70 feet. Public road along one side for 600 feet, about 8 feet above water surface. Approximately 30% of surrounding country covered with second growth timber, 70% cultivated. Around margin are four summer cottages and four farm dwellings and outbuildings, from 5 to 40 feet above water surface.

Inlet—Martin Creek, flowing through slightly swampy ground, in clean channel, 10 feet wide, 1 foot deep. Also fed by springs.

Outlet—Martin Creek, about 12 feet wide and 1 foot deep, flowing through rocky channel full of debris.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low country around outlet.

Ownership—Private control, not limited to shore line.

LOWER LAKE (See MUD PONDS)

LYNCHWOOD LAKE

Location—Southeastern Coolbaugh Township, north central Monroe County, on Upper Tunkhannock Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 7.0 square miles.

Elevation—1882 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular, triangular; maximum length 2,020 feet; maximum width 1,570 feet.

Area—43.8 acres.

Capacity—287 acre-feet or 93,000,000 gallons.

Depth—Prevailing 12 feet; maximum 19 feet.

Dam—Timber-crib, 800 feet long, 20 feet high, with earth and stone fill. Timber-crib spillway filled with stone; wooden sluiceway provided.

Topography—Surrounding country very low and flat. Ground rises gradually to maximum height of 15 to 20 feet, 85% densely wooded with second growth timber, 15% under cultivation. One ice house, one dwelling and offices near lake below dam.

Inlet—Upper Tunkhannock Creek, approximately 6 feet wide and one foot deep, flowing through swampy ground. Also fed by springs.

Outlet—Upper Tunkhannock Creek, approximately 12 feet wide, 1.5 feet deep, flowing through clean rocky channel.

Utilization—Ice harvesting.

Navigation—Rowboats.

Opportunity for Storage—None; surrounding country low.

Ownership—Lynch Bros., Tobyhanna, claim lake and surrounding country.

MANATAKA, LAKE (See WALLING POND)

MAPLE LAKE

Location—South Abington Township, Lackawanna County, on Summit Lake Creek, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—2.1 square miles.

Elevation—1248, referred to U. S. G. S. datum.

Area—2.4 acres.

Capacity—4,000,000 gallons.

Utilization—Storage for water supply, City of Scranton.

Ownership—Scranton Gas & Water Co., Scranton.

MAPLE LAKE

Location—Northeastern Spring Brook Township, southwestern Lackawanna County, headwaters of branch of Rattlesnake Creek, Lower North Branch Susquehanna Sub-basin.

Type—Originally natural; dam caused considerably greater submergence.

Drainage Area—Approximately 1.1 square miles.

Elevation—1650, referred to U. S. G. S. datum.

Area—35.0 acres.

Capacity—921 acre-feet or 300,000,000 gallons.

Dam—Earthen embankment, 21 feet high.

Topography—Surrounding country rises gradually from water edge, reaching maximum height of about 275 feet, almost all cultivated; only one small tract of timber near the shore.

Inlet—Fed by springs.

Outlet—Branch of Rattlesnake Creek.

Utilization—Water supply for Wilkes-Barre and vicinity.

Navigation—None.

Ownership—Spring Brook Water Supply Co., Wilkes-Barre.

MARSH POND; also called PEET POND

Location—North central Salem Township, south central Wayne County, on branch of Ariel Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1445 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—14.7 acres.

MASKANOZA LAKE

Location—Northern Lehman Township, south central Pike County, on Little Bushkill Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 16.8 square miles.

Elevation—1198 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 4,835 feet; maximum width 2,650 feet.

Area—146.5 acres.

Capacity—377 acre-feet or 123,000,000 gallons.

Depth—Prevailing 4 feet; maximum 7 feet.

Dam—Timber-crib, 440 feet long, 13 feet high, with earth and stone fill. Spillway provided for regulating height of water.

Topography—Surrounding country rises gradually to maximum height of 30 feet; 30% of lake area swampy with stumps and dead

trees standing. Of surrounding country, 90% covered with second growth timber, 10% under cultivation. Ice house and boat house at water edge. Two dwellings and barn 20 feet above water surface.

Inlet—Little Bushkill Creek, 30 to 35 feet wide, 1 to 3 feet deep, good fall.

Outlet—Little Bushkill Creek, 30 to 40 feet wide, 1 to 3 feet deep, flowing through rocky channel, full of debris.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Maskanoza Hunting & Fishing Club claims control of lake and right of entry thereto.

MEADOW LAKE

Location—Southwestern Apolacon Township, northwestern Susquehanna County, also southeastern Warren Township, northeastern Bradford County, on Wappasening Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam flooded additional area.

Drainage Area—Approximately 1.0 square mile.

Area—Approximately 90.0 acres.

Dam—Dry stone walls with earth filling, 85 feet long, 17 feet high. Spillway and outlet pipe provided.

Inlet—Wappasening Creek.

Outlet—Wappasening Creek.

Utilization—Pleasure purposes.

Ownership—F. N. Moore, Nichols, N. Y.

MEEKERS POND (See MOSES POND)

MEHOOPANY, LAKE (See GRANT LAKE)

MIDDLE LAKE

Location—Northwestern Harford Township, central Susquehanna County, on Martin Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.7 square miles.

Elevation—1376 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 2,205 feet; maximum width 1,155 feet.

Area—41.9 acres.

Capacity—458 acre-feet or 149,000,000 gallons.

Depth—Prevailing 16 feet; maximum 22 feet.

Dam—Earth and stone embankment, approximately 25 feet long, 7 feet high, with a public road on crest. Stone spillway under highway bridge.

Topography—Lake lies between two ranges of hills rising steeply to maximum height of 60 feet. About 80% of country cultivated, 20% covered with second growth timber. Near lake, one summer cottage 10 feet above water surface.

Inlet—Martin Creek, small stream about 10 feet wide, 2 feet deep, flowing through marshy ground, with muddy channel free of debris.

Outlet—Martin Creek, emptying into Lower Lake, approximately one-half mile below. Creek about 10 feet wide, 1 foot deep, flowing through clean, gravelly and rocky channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Private control, not limited to shore line.

MIKES LOWER POND

Location—Northwestern Wright Township, central Luzerne County, on Little Wapwallopen Creek, Lower North Branch Susquehanna Sub-basin.

Area—Approximately 14 acres.

MIKES UPPER POND

Location—Northwestern Wright Township, central Luzerne County, on Little Wapwallopen Creek, Lower North Branch Susquehanna Sub-basin.

Area—Approximately 8 acres.

MILL POND (See SILVER LAKE)

MILL POND

Location—South central Pike Township, east central Bradford County, on Wyalusing Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 5 acres.

MILLERS LAKE (See NAOMI LAKE)

MILLERS POND

Location—Southeastern Mount Pleasant Township, west central Wayne County, on branch of Johnson Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.2 square miles.

Elevation—1510 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, regular; maximum length 2,915 feet; maximum width 1,400 feet.

Area—61.7 acres.

Capacity—636 acre-feet or 207,000,000 gallons.

Depth—Prevailing 17 feet; maximum 19 feet.

Dam—Vertical dry stone wall, 250 feet long, 25 feet high, backed with earth and stone. Timber sluiceway provided for regulation of height of water.

Topography—Surrounded by high ground rising gradually to maximum height of 230 feet. Public road parallels dam, 12 feet below crest. Approximately 75% of surrounding country covered with second growth timber, 25% under cultivation. Sawmill on shore.

Inlet—Branch of Johnson Creek, 3 feet wide, 4 inches deep, flowing through marshy ground.

Outlet—Branch of Johnson Creek, 5 feet wide, 1 foot deep, flowing through rocky channel.

Utilization—Private ice supply, boating, fishing and feeder for the D. & H. Canal.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased, high banks at outlet.

Ownership—Several persons claim control.

MINEOLA, LAKE

Location—Southeastern Chestnuthill Township, southwestern Monroe County, on branch of McMichaels Creek, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 18 acres.

MINGO LAKE

Location—Eastern Liberty Township, north central Susquehanna County, on branch of Snake Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1428 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—13.7 acres.

MINKLERS POND

Location—Central Apolacon Township, northwestern Susquehanna County, on Apolacon Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—2.7 square miles.

Elevation—1226 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 2,650 feet; maximum width 1,070 feet.

Area—45.9 acres.

Capacity—135 acre-feet or 44,000,000 gallons.

Depth—Prevailing 5 feet; maximum 6 feet.

Dam—Two vertical dry stone walls, about 75 feet long, 10 feet high, with earth and stone fill. Earth and stone dike, approximately 200 feet long, extends along shore from one end of dam. Concrete spillway and outlet provided.

Topography—Steep hills on three sides with swamp around inlet. Ground rises steeply reaching maximum height of approximately 200 feet; 60% of surrounding country covered with second growth timber, 40% cultivated. Two farm dwellings and outbuildings near pond, about 20 feet above water surface.

Inlet—Apolacon Creek, about 10 feet wide, and 2 feet deep, practically dry in summer, flowing through marshy ground.

Outlet—Apolacon Creek, about 10 feet wide, 3 inches deep, flowing through clean gravelly channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet on north side.

Ownership—Private control.

MINKS POND

Location—Northern Lehman Township, south central Pike County, on Little Bushkill Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 12.7 square miles.

Elevation—1258 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 3.450 feet; maximum width 1,740 feet.

Area—89.6 acres.

Capacity—365 acre-feet or 119,000,000 gallons.

Depth—Prevailing 6 feet; maximum 11 feet.

Dam—Timber-crib, 265 feet long, 10 feet high, filled with earth and stone. Spillway provided.

Topography—Surrounding country low and flat, maximum rise about 25 feet; covered with second growth timber. One dwelling and several sheds near pond 10 to 12 feet above water surface.

Inlet—Little Bushkill Creek, 20 to 25 feet wide, 1 to 2 feet deep, flowing through clean channel.

Outlet—Little Bushkill Creek, 30 to 35 feet wide, 1 to 3 feet deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing. Originally used for water power for sawmill.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased; high banks at outlet.

Ownership—Wm. Mink claims pond, not limited to shore line.

MINNEWAWA, LAKE (See MUD POND)

MITCHELL POND

Location—South central South Canaan Township, southwestern Wayne county, on branch of Middle Creek, Upper Delaware Sub-basin.

Area—Approximately 3 acres.

MOKOMA, LAKE

Location—West central Laporte Township, central Sullivan County, on Mill Creek, Lower West Branch Susquehanna Sub-basin.

Type—Originally natural of smaller area.

Drainage Area—Approximately 2.4 square miles.

Elevation—1765, from local authority.

Shape—Very long, irregular; maximum length 4,810 feet; maximum width 1,190 feet.

Area—85.8 acres.

Capacity—848 acre-feet or 276,000,000 gallons.

Depth—Prevailing 18 feet; maximum 30 feet.

Dam—Vertical dry stone wall, 400 feet long, 12 feet high, with earth fill; public road on top. Timber spillway provided.

Topography—Surrounding country generally high, rising gradually in places, reaching maximum height of 200 feet. Railroad parallels one shore, 25 feet above water surface. Entire surrounding country covered with second growth timber. Two boat houses, one ice house and summer cottage near lake, 1 to 40 feet above water surface.

Inlets—Two streams, 5 to 6 feet wide, 1 to 2 feet deep, flowing through clean rocky channels. Branch of Mill Creek, 15 feet wide, 8 inches deep, flowing swiftly through clean rocky channel.

Outlet—Mill Creek, 15 feet wide, 1 to 2 feet deep, flowing swiftly through clean rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Lake Mokoma Land Co., Laporte, claims control.

MOODY POND or SPRING POND

Location—Asylum and Terry townships, southeastern Bradford County, on branch of Burell Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 15 acres.

MOOSIC LAKE

Location—West central Jefferson Township, east central Lackawanna County, on West Branch Wallenpaupack Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1950 (Bar.) from U. S. G. S. datum.

Shape—Triangular, very irregular; maximum length 3,900 feet; maximum width 1,830 feet.

Area—86.1 acres.

Capacity—1,539 acre-feet or 501,000,000 gallons.

Depth—Prevailing 32 feet; maximum 42 feet.

Dam—None.

Topography—Surrounding country rises gradually from water edge to maximum height of 80 feet, two sides being exceedingly low and flat. Electric railway parallels two sides, 20 to 50 feet above water surface. Entire surrounding country covered with second growth timber. Around margin of lake are six dwellings, and boat and ice houses, 1 to 20 feet above water surface.

Inlet—West Branch Wallenpaupack Creek, 5 feet wide, 1 to 2 feet deep, flowing through clean channel.

Outlet—West Branch Wallenpaupack Creek, 8 feet wide, 1 to 2 feet deep, flowing swiftly through clean rocky channel.

Utilization—Private ice supply, amusement park and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Burk Bros., Scranton, claim control.

MOSES POND; old names MEEKERS POND and MUD LAKE, LITTLE

Location—Northern Silver Lake Township, northwestern Susquehanna County, on branch of Little Snake Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1728 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—12.3 acres.

MOSES WOOD POND

Location—Eastern Kidder Township, northeastern Carbon County, on headwaters of Black Creek, Middle Delaware Sub-basin.

Type—Natural.

Elevation—1650 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—12.3 acres.

MOSIES POND

Location—Southwestern Wilmot Township, southeastern Bradford County, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 10 acres.

MOUNTAIN LAKE

Location—Central Burlington Township, central Bradford County, on branch of Sugar Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.9 square miles.

Elevation—1380 (Bar.) referred to L. V. R. R. levels.

Shape—Oval, regular; maximum length 2,050 feet; maximum width 960 feet.

Area—34.0 acres.

Capacity—627 acre-feet or 204,000,000 gallons.

Depth—Prevailing 38 feet; maximum 52 feet.

Dam—None.

Topography—Surrounding country rises gradually to maximum height of 100 feet, approximately 50% covered with second growth timber, 50% cultivated. Near lake are numerous cottages and hotel, 15 to 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Sugar Creek, 4 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Griffin Spencer, Towanda, claims control.

MOUNTAIN ICE CO. DAM NO. 1

Location—Central Coolbaugh Township, north central Monroe County, on Tobyhanna Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—13.9 square miles.

Elevation—1913 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; triangular; maximum length 3,310 feet; maximum width 1,200 feet.

Area—55.9 acres.

Capacity—334 acre-feet or 109,000,000 gallons.

Depth—Prevailing 9 feet; maximum 12 feet.

Dam—Earth and stone embankment, 75 feet long, 14 feet high. Timber-crib spillway and outlet pipes are provided for regulation of height of water. Flashboards provided.

Topography—Lake lies between two ranges of hills, rising gradually to maximum height of 30 feet. D. L. & W. R. R. and public highway on two sides from 5 to 15 feet respectively above water surface. Of surrounding country 70% under cultivation, 30% covered with second growth timber and brush. Near lake are six dwellings, two barns and ice tramway, 1 to 60 feet above water surface. Lake is close to Borough of Tobyhanna.

Inlets—Two streams, East Branch and Tobyhanna Creek, both approximately 20 to 30 feet wide, 5 feet deep, flowing through swampy ground.

Outlet—Tobyhanna Creek, approximately 50 feet wide, 3 feet deep, flowing through clean rocky channel.

Utilization—Ice harvesting, summer resort. Hydraulic ram, immediately below dam, lifts water to water tank of D. L. & W. R. R.

Navigation—Rowboats.

Opportunity for Storage—No site available; D. L. & W. R. R. embankment along southern shore and public road along western side.

Ownership—The Mountain Ice Co. claims control.

MOUNTAIN ICE CO. DAM NO. 2

Location—Central Coolbaugh Township, north central Monroe County, on Tobyhanna Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.6 square miles.

Elevation—1945 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 6,800 feet; maximum width 2,640 feet.

Area—162.1 acres.

Capacity—721 acre-feet or 235,000,000 gallons.

Depth—Prevailing 7 feet; maximum 10 feet.

Dam—Timber-crib, about 220 feet long, 21 feet high, with earth and stone fill, with branch track of D. L. & W. R. R. on crest. Timber-crib with stone fill spillway and timber sluiceway provided. An earth and stone dike, 330 feet long, extends along lake shore from one end of dam.

Topography—Ground rises gradually to maximum height of 100 feet. About 75% of surrounding country covered with second growth timber, 25% cultivated. Near lake are one large ice house, three dwellings and outbuildings, 5 to 20 feet above water surface.

Inlet—Tobyhanna Creek, 20 to 25 feet wide and 2 to 4 feet deep, flowing through clean rocky channel. Also fed by springs.

Outlet—Tobyhanna Creek, approximately 20 to 30 feet wide, 4 feet deep, flowing through rocky channel.

Utilization—Ice harvesting, fishing and boating. Originally used for driving logs.

Navigation—Rowboats.

Opportunity for Storage—None topographically; low country at inlet and outlet.

Ownership—The Mountain Ice Co. claims control.

MOUNTAIN SPRING LAKE

Location—Central Jackson Township, south central Monroe County, on Pensil Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.1 square miles.

Elevation—969 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; maximum length 3,370 feet; maximum width 1,440 feet.

Area—74.3 acres.

Capacity—435 acre-feet or 142,000,000 gallons.

Depth—Prevailing 8 feet; maximum 12 feet.

Dam—Earth and stone fill, approximately 800 feet long, 15 feet high. Stone masonry spillway and outlet pipe provided for regulating height of water. At opposite end of lake is an earth and stone dike 300 feet long, 12 feet high.

Topography—Low flat country on all sides reaching maximum height of 60 feet; swampy ground along one side. Side track of N. Y. S. & W. R. R. along one side, 4 feet above water surface. Approximately 20% of surrounding country covered with second growth timber, 80% cultivated. Two dwellings and ice house near lake, 4 to 10 feet above water surface.

Inlet—Pensil Creek, 10 feet wide, 1 foot deep, flowing through swampy ground with channel free of debris. Also fed by springs.

Outlet—Pensil Creek, 20 feet wide, 1 foot deep, flows through clean channel.

Utilization—Ice harvesting and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low country at outlet and upper end.

Ownership—Mountain Spring Ice Co. claims control.

MOUNTAIN SPRING WATER ICE CO'S. DAM NO. 1

Location—Northwestern Ross Township, northwestern Luzerne County, on North Branch of Bowman Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 15 acres.

MOUNTAIN SPRING WATER ICE CO'S. DAM NO. 2, or BEAN POND

Location—Northwestern Ross Township, northwestern Luzerne County, on headwaters of North Branch of Bowman Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 12 acres.

MUD LAKE; old name LILLY LAKE

Location—Northeastern Greenfield Township, north central Lackawanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.4 square mile.

Elevation—1645, referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, irregular; maximum length 1,950 feet; maximum width 740 feet.

Area—23.6 acres.

Capacity—143 acre-feet or 47,000,000 gallons.

Depth—Prevailing 8 feet; maximum 12 feet.

Dam—None.

Topography—Pond connected to Newton Lake by wide channel. Surrounding country generally steep rising to maximum height of 65 feet; approximately 70% covered with second growth timber, 30% under cultivation. Swampy ground almost surrounds lake with large cranberry bog on one side.

Inlet—Fed by springs.

Outlet—Through ravine into Newton Lake, 150 feet long, 200 feet wide. Very marshy with clean channel 40 to 50 feet wide, 1 to 2 feet deep.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None, topographically.

Ownership—Several private parties and Consolidated Water Supply Co., Scranton, claim control.

MUD LAKE

Location—Northeastern Fox Township, northwestern Sullivan County, on branch of Brown Run, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 5 acres.

MUD LAKE (See LAUREL LAKE)

MUD LAKE, LITTLE (See MOSES POND)

MUD POND (See HEART LAKE)

MUD PONDS, THREE-DOLLAR, MUD and LOWER LAKE

Location—East and West Fallowfield townships, southwestern Crawford County, Main Ohio Sub-basin.

Type—Natural.

Elevation—1013, referred to State Highway Department levels from U. S. G. S. datum.

Areas Combined—Approximately 26 acres.

MUD POND

Location—Eastern Benton Township, northwestern Lackawanna County, on tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 10 acres.

MUD POND

Location—Western Benton Township, northwestern Lackawanna County, headwaters of branch of Sheik Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 5 acres.

MUD POND or DUCK POND

Location—Southeastern Preston Township, northwestern Wayne County, on Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1376 (Bar.) referred to U. S. G. S. datum.

Area—9.0 acres.

MUD POND

Location—Northwestern Plymouth Township, north central Luzerne County, on branch of Hunlock Creek, Lower North Branch Susquehanna Sub-basin.

Area—Approximately 15 acres.

MUD POND or MINNEWAWA, LAKE

Location—Eastern Slocum Township, central Luzerne County, on branch of Wapwallopen Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 16 acres.

MUD POND

Location—Northern Denison Township, southeastern Luzerne County, on Nescopeck Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 2 acres.

MUD POND

Location—Northeastern Bear Creek Township, east central Luzerne County, on headwaters of branch of Meadow Run, Middle Delaware Sub-basin.

Type—Natural.

Area—Approximately 11 acres.

MUD POND

Location—Northeastern Porter Township, south central Pike County, on headwaters of Little Bushkill Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1260 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—18.6 acres.

MUD POND

Location—Eastern Porter Township, south central Pike County, on branch of Middle Bushkill Creek or Saw Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.5 square miles.

Elevation—1363 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, fairly regular; maximum length 1,850 feet; maximum width 1,155 feet.

Area—33.5 acres.

Capacity—349 acre-feet or 114,000,000 gallons.

Depth—Prevailing 15 feet; maximum 18 feet.

Dam—None.

Topography—Rising country on all sides covered with second growth timber, reaching maximum height of 50 feet.

Inlet—Fed by springs.

Outlet—Branch of Saw Creek, 5 feet wide, 1 foot deep, flowing through slightly marshy ground.

Utilization—Boating, fishing and camping resort.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Commonwealth of Pennsylvania, (State Forest Reserve).

MUD POND

Location—Northeastern Blooming Grove Township, central Pike County, on headwaters of branch of Shohola Creek, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

MUD POND

Location—Northern Dingman Township, east central Pike County, on headwaters of Saw Kill, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

MUD POND

Location—Southeastern Greene Township, west central Pike County, on headwaters of branch of Wells Creek, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 5 acres.

MUD POND

Location—Northwestern Clifford Township, southeastern Susquehanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 18 acres.

MUD POND

Location—Eastern Ararat Township, east central Susquehanna County, on East Branch Lackawaxen River, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

MUD POND

Location—Central Manchester Township, northeastern Wayne County, on branch of Little Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1410 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—18.4 acres.

MUD POND

Location—East central Clinton Township, west central Wayne County, on tributary of West Branch Lackawaxen River, Upper Delaware Sub-basin.

Area—Approximately 18 acres.

MUD POND

Location—Southwestern Lemon Township, north central Wyoming County, on branch of Mill Brook, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.7 square miles.

Elevation—1105 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, regular; maximum length 4,075 feet; maximum width 1,380 feet.

Area—75.6 acres.

Capacity—764 acre-feet or 249,000,000 gallons.

Depth—Prevailing 17 feet; maximum 27 feet.

Dam—Earth and stone embankment, 75 feet long. Spillway provided controls a head of 7 feet.

Topography—Surrounded by high ground rising steeply and reaching maximum height of 200 feet. Public road parallels shore for short distance. Of surrounding country 50% covered with second growth timber, 50% cultivated. One boat house and one dwelling on shore.

Inlets—Small stream, 4 feet wide, 6 inches deep, flowing through marshy ground with debris strewn channel; also branch of Mill Brook, 5 feet wide, 1 foot deep, flowing through clean channel.

Outlet—Branch of Mill Brook, 8 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Private control.

MUD POND, LITTLE

Location—South central Canaan Township, southwestern Wayne County, on small branch of Middle Creek, Upper Delaware Sub-basin.

Area—Approximately 10 acres.

MURPHYS POND

Location—North central Lebanon Township, north central Wayne County, Upper Delaware Sub-basin.

Area—Approximately 6 acres.

NAOMI LAKE, old name, MILLERS LAKE

Location—Central Tobyhanna Township, northwestern Monroe County, on Upper Tunkhannock Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 29.0 square miles.

Elevation—1750, referred to State Highway Department levels, from U. S. G. S. datum.

Shape—Long, very irregular; maximum length 9,720 feet; maximum width 2,180 feet.

Area—251.1 acres.

Capacity—1,493 acre-feet or 486,000,000 gallons.

Depth—Prevailing 7 feet; maximum 13 feet.

Dam—Timber-crib, 600 feet long, 18 feet high, with earth and stone fill. Spillway, timber sluiceway and outlet pipe provided for regulating height of water. Low earth and stone dike, approximately 1,500 feet long, extends along shore from one end of dam.

Topography—Lake lies between two ranges of hills. Country rises steeply and reaches maximum height of 125 feet. Slightly swampy and full of stumps at upper end. Island with area of 4 to 5 acres, and 3 to 5 feet high, in lake. Approximately 80% of surrounding country covered with second growth and virgin timber, 20% cultivated. On shore are 50 to 60 dwellings and four hotels from 3 to 30 feet above water surface.

Inlets—Upper Tunkhannock Creek, 40 feet wide, 2 feet deep, flowing through marshy ground with clean channel; also Mud Run, 10 feet wide, 2 feet deep, flowing through swampy ground, channel full of debris.

Outlet—Upper Tunkhannock Creek, 50 feet wide, 2 feet deep, flowing through clean rocky channel.

Utilization—Ice harvesting and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Pocono Pines Ice Co., claims control.

NEPHAWIN, LAKE

Location—Central Canton Township, southwestern Bradford County, on branch of Towanda Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.0 square mile.

Elevation—1580 (Bar.) referred to U. S. G. S. datum.

Shape—Oval, regular; maximum length 2,960 feet; maximum width 1,040 feet.

Area—36.5 acres.

Capacity—247 acre-feet or 80,000,000 gallons.

Depth—Prevailing 12 feet; maximum 18 feet.

Dam—None.

Topography—Hills on three sides rising gradually reaching maximum height of 200 feet. Public road parallels two sides of lake, 5 to 40 feet above water surface. About 75% of surrounding country covered with second growth timber, 25% under cultivation. Fourteen dwellings near lake, 10 to 50 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Towanda Creek, 8 feet wide, 1 foot deep, flowing with rapid fall through clean rocky channel.

Utilization—Private ice supply, water supply for Canton, and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; high banks at outlet; but would cause damage to road and houses.

Ownership—Private parties claim control. The Citizens Water Co. of Canton, has water rights.

NEWTON LAKE

Location—Northeastern Greenfield Township, north central Lackawanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.1 square miles.

Elevation—1645, referred to U. S. G. S. datum.

Shape—Oval, very irregular; maximum length 4,425 feet; maximum width 1,500 feet.

Area—112.2 acres.

Capacity—2,333 acre-feet or 760,000,000 gallons.

Depth—Prevailing 26 feet; maximum 40 feet.

Dam—None.

Topography—Lake lies near top of ridge. Surrounding country rises steeply on three sides reaching maximum height on one side of 70 feet; about 30% thinly wooded with second growth timber, 70% cultivated. Public road crosses outlet, 1 to 10 feet above water surface. Near lake 3 boat houses and 15 dwellings, 1 to 30 feet above water surface.

Inlet—Outlet from Mud Lake, 200 feet wide and 150 feet long, very marshy with clear channel about 40 to 50 feet wide, 1 to 2 feet deep. Also fed by springs.

Outlet—Tributary of the East Branch Tunkhannock Creek, 1 foot wide, 8 or 9 inches deep, flowing through clean channel.

Utilization—Private ice supply and summer resort. Used formerly as regulating reservoir for sawmill on outlet.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Consolidated Water Supply Co., Scranton, claims control of lake and most of surrounding country.

NICHECRONK LAKE

Location—Northwestern Delaware Township, southeastern Pike County, on Nichecronk Brook, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.3 square mile.

Elevation—1264, referred to U. S. G. S. datum.

Shape—Oval, long and narrow; maximum length 2,870 feet; maximum width 635 feet.

Area—29.4 acres.

Capacity—353 acre-feet or 115,000,000 gallons.

Depth—Prevailing 17 feet; maximum 20 feet.

Dam—None.

Topography—Hills on three sides rising gradually from water edge to maximum height of 160 feet. About 98% of surrounding country covered with second growth timber, 2% cultivated. Two summer cottages near lake, 50 to 80 feet above water surface.

Inlet—Fed by springs.

Outlet—Nichecronk Brook, 6 feet wide, 1 foot deep, flowing with rapid fall through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None, topographically.

Ownership—Three persons claim control.

NIGGER POND

Location—Southern Windham Township, northwestern Wyoming County, on Little Mehoopany Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.3 square miles.

Elevation—1035 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, very irregular; maximum length 4,165 feet; maximum width 1,225 feet.

Area—65.4 acres.

Capacity—255 acre-feet or 83,000,000 gallons.

Depth—Prevailing 7 feet; maximum 11 feet.

Dam—Vertical dry stone wall, 150 feet long, 10 feet high, backed with earth fill.

Topography—Generally high ground on all sides, rising gradually to maximum height of 200 feet, about 25% covered with second growth timber, 75% cultivated. One side of lake exceedingly marshy.

Inlet—Little Mehoopany Creek, 6 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Little Mehoopany Creek, 20 feet wide, 2 feet deep, flowing slowly through clean channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; would necessitate long dam.

Ownership—Private parties claim control.

NILES POND

Location—Southern Lebanon Township, central Wayne County, on branch of Big Brook, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.4 square mile.

Elevation—1490 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Rectangular, rather irregular; maximum length 1,710 feet; maximum width 870 feet.

Area—23.6 acres.

Capacity—324 acre-feet or 105,000,000 gallons.

Depth—Prevailing 24 feet; maximum 36 feet.

Dam—None.

Topography—Surrounding country generally high, reaching maximum height of 100 feet; approximately 25% covered with second growth timber, and 75% under cultivation. One farm house near pond, 50 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Big Brook, 3 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically, but of little value due to small drainage area.

Ownership—Fred Robinson, Rileyville, claims control.

NORTH POND

Location—Southeastern Ross Township, northwestern Luzerne County, on branch of Hunlock Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.2 square mile.

Elevation—1335 referred to U. S. G. S. datum.

Shape—Triangular, rather irregular; maximum length 1,700 feet; maximum width 1,220 feet.

Area—24.5 acres.

Capacity—253 acre-feet or 82,000,000 gallons.

Depth—Prevailing 8 feet; maximum 30 feet.

Dam—None.

Topography—Surrounding country generally flat. On north side ground rises to maximum height of 200 feet. Entire watershed covered with second growth timber. Four cottages near pond, 10 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Hunlock Creek, 5 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private parties claim control.

NORTH POND; also called LILY LAKE

Location—Northwestern Brooklyn and southeastern Bridgewater townships, central Susquehanna County, on branch of Hop Bottom Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1453 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—Approximately 16.3 acres.

NORTH JERSEY LAKE

Location—Northwestern Coolbaugh Township, northwestern Monroe County; also western Lehigh Township, south central Wayne County, on branch of Lehigh River, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.4 square miles.

Elevation—1885, referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; long, rectangular; maximum length 7,310 feet; maximum width 2,150 feet.

Area—250.2 acres.

Capacity—1,089 acre-feet or 355,000,000 gallons.

Depth—Prevailing 5 feet; maximum 9 feet.

Dam—Concrete wall, 10 feet long, 7 feet high, built between wing walls of D. L. & W. R. R. culvert.

Topography—Surrounding country rises gradually, reaching maximum height of 150 feet; 50% cultivated, 50% sparsely wooded with second growth timber. The D. L. & W. R. R. tracks parallel one side, 6 feet above water surface. One large ice house, several dwellings and barns near shore, 4 to 10 feet above water surface.

Inlets—Branch of Lehigh River, approximately 15 feet wide, 3 feet deep, flowing through marshy ground; also fed by springs and several small streams which are dry in summer.

Outlet—Branch of Lehigh River, approximately 8 feet wide, 1.7 feet deep, flowing through clean rocky channel.

Utilization—Ice harvesting, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None, due to proximity of main line of D. L. & W. R. R.

Ownership—Mountain Ice Co. claims control.

NUANGOLA, LAKE (See TRIANGULAR POND)

OPEN WOODS POND

Location—Southeastern Berlin Township, east central Wayne County, on branch of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1180 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,190 feet; maximum width 1,375 feet.

Area—48.0 acres.

Capacity—520 acre-feet or 169,000,000 gallons.

Depth—Prevailing 24 feet; maximum 32 feet.

Dam—None.

Topography—Generally low ground on all sides, rising gradually to maximum height of 50 feet; 50% covered with second growth timber, 50% under cultivation. Inlet end slightly marshy. One dwelling near pond.

Inlet—Branch of Mast Hope Creek, 6 feet wide, 6 inches deep, flowing through marshy ground.

Outlet—Branch of Mast Hope Creek, 6 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—U. C. Measler, White Mills, claims control.

OREONOBA LAKE; old name ROBINSONS or HATHAWAYS POND

Location—Central Ararat Township, east central Susquehanna County, on branch of West Branch Lackawanna River, Lower North Branch Susquehanna Sub-basin.

Type—Originally natural: dam flooded additional area.

Drainage Area—Approximately 0.5 square mile.

Elevation—1981 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 2,350 feet; maximum width 850 feet.

Area—31.2 acres.

Dam—Vertical dry stone wall, 30 feet long, 8 feet high, backed with earth and stone fill. Masonry spillway provided.

Topography—Fairly high ground on three sides rising to maximum height of 75 feet. Erie R. R. parallels one side, 6 feet above water surface. About 20% of surrounding country covered with second growth timber, 80% cultivated. Floating bog covers major portion of lake. Four cottages near lake, 5 to 10 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of West Branch Lackawanna River, 9 feet wide, 1 foot deep, flowing through muddy channel, free of debris.

Utilization—Summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low country at outlet and proximity of Erie R. R.

Ownership—Private control.

ORSON DAM

Location—Southwestern Preston Township, northwestern Wayne County, on branch of East Branch Lackawanna River, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.1 square miles.

Elevation—1960 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Irregular; maximum length 1,915 feet; maximum width 710 feet.

Area—21.9 acres.

Capacity—117 acre-feet or 38,000,000 gallons.

Depth—Prevailing 10 feet; maximum 12 feet.

Dam—Timber-crib 75 feet long, 16 feet high, with stone fill. Spillway provided.

Topography—Surrounding cultivated country low, rising gradually from water edge to maximum height of 20 feet. Railroad parallels one side. Ice house on shore near lake.

Inlet—Branch of Lackawanna River, 10 feet wide, flowing through swampy ground.

Outlet—Branch of Lackawanna River, 10 feet wide, flowing through clean channel.

Utilization—Ice harvesting, boating, fishing and water power for grist mill.

Opportunity for Storage—None; low surrounding country.

Ownership—D. P. Hine, Orson, claims control.

OSTERHOUT POND; also called FLOW POND

Location—Northwestern Overfield, and southeastern Tunkhannock townships, east central Wyoming County, on branch of Osterhout Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.0 square miles.

Elevation—835 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, rather irregular; maximum length 2,375 feet; maximum width 745 feet.

Area—30.4 acres.

Capacity—101 acre-feet or 33,000,000 gallons.

Depth—Prevailing 8 feet; maximum 12 feet.

Dam—Vertical dry stone wall, 150 feet long, 12 feet high, backed with earth and stone fill.

Topography—Surrounded by high ground rising rapidly to maximum height of 200 feet; 50% covered with second growth timber, 50% under cultivation. A small camp on shore near pond.

Inlet—Branch of Osterhout Creek, 6 feet wide, 1 foot deep, flowing through clean channel in marshy ground.

Outlet—Branch of Osterhout Creek, 10 feet wide, 1 foot deep, flowing swiftly through clean rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—William Osterhout, Lake Winola, claims control.

OXBOW LAKE

Location—Southern Lemon Township, north central Wyoming County, on branch of Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.8 square miles.

Elevation—1075 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, irregular; maximum length 2,580 feet; maximum width 1,415 feet.

Area—60.4 acres.

Capacity—735 acre-feet or 239,000,000 gallons.

Depth—Prevailing 19 feet; maximum 32 feet.

Dam—Stone masonry, 50 feet long, 14 feet high. Sluiceway provided for regulation of height of water.

Topography—Surrounded by gradually rising ground, reaching maximum height of 100 feet, practically covered with second growth timber. One farm house near lake, 100 feet above water surface.

Inlet—Branch of Tunkhannock Creek, 10 feet wide, 1 foot deep flowing swiftly through clean channel.

Outlet—Branch of Tunkhannock Creek, 12 feet wide, 2 feet deep, flowing swiftly through clean rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Private control.

PAGES POND

Location—Eastern New Milford Township, central Susquehanna County, on Saltlick Creek, Upper North Branch Susquehanna Subbasin.

Type—Artificial.

Drainage Area—Approximately 2.5 square miles.

Elevation—1506 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 6,170 feet; maximum width 1,900 feet.

Area—96.1 acres.

Capacity—704 acre-feet or 223,000,000 gallons.

Depth—Prevailing 12 feet; maximum 25 feet.

Dam—Earth and stone embankment, 161 feet long, 13 feet high, faced with vertical dry stone wall. Wooden outlet flume provided, regulating height of water.

Topography—Pond lies between two ranges of hills rising gradually to maximum height of 150 feet. Public highway parallels one side for 800 feet, 8 to 10 feet above water surface. Approximately 85% of surrounding country under cultivation, 15% covered with second growth timber. Ten dwellings and six or eight sheds near pond, 6 to 20 feet above water surface.

Inlet—Saltlick Creek about 30 feet wide and 1 foot deep, flowing through swampy ground, in muddy channel. Lake also fed by springs.

Outlet—Saltlick Creek, about 30 feet wide, 6 inches deep, flowing through rocky channel full of debris.

Utilization—Has been used as regulating reservoir for Moon Pond for hydroelectric development, but now used only for ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low country at outlet and proximity of town of East New Milford.

Ownership—Recently purchased from the New Milford Electric Light & Power Co. by Susquehanna County Light & Power Co., not limited to shore line.

PAINTER DEN POND or PICKEREL POND

Location—Southeastern Laporte and northeastern Davidson townships, southeastern Sullivan County, on headwaters of Painter Den Creek, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 12 acres.

PANTHER LAKE (See VIEW, LAKE)

PAUPACK, LAKE; old name EAST BRANCH POND

Location—Northern Greene Township, west central Pike County, on East Branch Wallenpaupack Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 8.6 square miles.

Elevation—1594 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 4,635 feet; maximum width 2,090 feet.

Area—107.3 acres.

Capacity—1,474 acre-feet or 480,000,000 gallons.

Depth—Prevailing 21 feet; maximum 27 feet.

Dam—None.

Topography—Surrounding country rises gradually from water edge; 98% covered with second growth timber, 2% cultivated. On south side ground rises steeply to maximum height of 200 feet. Large club house located near lake, approximately 200 feet above water surface.

Inlet—East Branch Wallenpaupack Creek, 20 feet wide, 1 to 3 feet deep, flowing through slightly marshy ground; also two small streams, 5 to 8 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—East Branch Wallenpaupack Creek, 35 feet wide, 4 feet deep, flowing through marshy ground.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Could be increased.

Ownership—Laura Decher and J. Franklin Meehan, et al., claim control.

PAYNES LAKE

Location—Southwestern Gibson Township, southeastern Susquehanna County, on branch of Butler Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 5 acres.

PECKS POND

Location—Northern Porter, and southern Blooming Grove townships, south central Pike County, on Big Bushkill Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 8.0 square miles.

Elevation—1149, referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, very irregular; maximum length 8,670 feet; maximum width 4,370 feet.

Area—300.0 acres.

Capacity—810 acre-feet or 264,000,000 gallons.

Depth—Prevailing 4 feet; maximum 8 feet.

Dam—Vertical dry stone wall, 60 feet long, 12 feet high, backed with earth and stone fill.

Topography—Surrounding country generally high, rising gradually from water edge. Several islands, densely wooded with second growth timber, 10 to 20 feet above water surface. Lake filled with stumps and snags of trees left standing when country was flooded. Entire watershed, with exception of 10 to 15 acres cultivated, forested with second growth timber and brush. Near pond small ice house and one dwelling with outbuildings, 2 to 15 feet above water surface.

Inlet—Tarkill Run, 6 feet wide, 1 foot deep; and East Branch Creek, 5 to 7 feet wide, 1 to 2 feet deep; also small stream, 7 to 8 feet wide, 1 to 3 feet deep. All of these streams are of same character and flow through marshy ground. Lake also fed by springs.

Outlet—Big Bushkill Creek, 16 to 18 feet wide, 1 to 3 feet deep, flowing through rocky channel strewn with debris.

Utilization—Private ice supply, boating and fishing. Originally built for lumber operation.

Navigation—Rowboats.

Opportunity for Storage—None, on account of damage to property.

Ownership—Commonwealth of Pennsylvania owns all surrounding land, except few acres owned by individual having right of entry to pond.

PEET POND (See MARSH POND)

PENN, LAKE

Location—Northeastern Denison Township, southeastern Luzerne County, on Wright Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 5.6 square miles.

Nigger Pond, Wyoming County
(See page 132)

Rillie Lake, Susquehanna County
(See page 152)

Elevation—1322 (Bar.) referred to C. R. R. of N. J. levels.

Shape—Long and irregular; maximum length 3,150 feet; maximum width 1,350 feet.

Area—51.2 acres.

Capacity—577 acre-feet or 188,000,000 gallons.

Depth—Prevailing 20 feet; maximum 27 feet.

Dam—Earth and stone embankment, 600 feet long, controlling a head of approximately 40 feet. Spillway and outlet pipe provided for regulation of height of water.

Topography—Surrounded generally by low ground rising on north to maximum height of 200 feet; all covered with second growth timber and brush. Ice house and several sheds located along creek below dam.

Inlet—Wright Creek, 20 feet wide, 3 to 4 inches deep, flowing through clean gravelly channel.

Outlet—Wright Creek, 20 feet wide, 3 to 4 inches deep, flowing through clean gravelly channel.

Utilization—Ice harvesting.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Albert Lewis, Bear Creek, through corporation known as Mountain Spring Water Ice Co.

PERCH POND (See SCOTT, LAKE)

PERCH POND

Location—Northeastern Preston Township, north central Wayne County, on branch of Chehocton Creek, Upper Delaware Sub-basin.

Type—Originally natural; dam caused considerable increase in submergence.

Drainage Area—Approximately 0.5 square mile.

Elevation—1500 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Very irregular; maximum length 3,410 feet; maximum width 770 feet.

Area—36.5 acres.

Capacity—716 acre-feet or 233,000,000 gallons.

Depth—Prevailing 38 feet; maximum, 47 feet.

Dam—Stone masonry and concrete, 200 feet long, 16 feet high. Two spillways with flash boards provided for regulation of height of water.

Topography—Surrounding country generally high, rising to maximum height of 35 feet; covered with second growth timber.

Inlet—Fed by springs.

Outlet—Branch of Chehocton Creek, 12 feet wide, flowing swiftly through rocky channel.

Utilization—Ice harvesting and fishing.
Navigation—Rowboats.
Opportunity for Storage—Good; extremely steep banks at outlet.
Ownership—Geo. Holbert, Starlight, claims control.

PERRINS MARSH (See BROWNS POND)

PICKEREL POND

Location—Northern Porter Township, south central Pike County, on Big Bushkill Creek, Upper Delaware Sub-basin.
Type—Artificial.
Drainage Area—Approximately 22.5 square miles.
Elevation—1309, referred to State Highway Department levels from U. S. G. S. datum.
Shape—Very irregular; maximum length 4,600 feet; maximum width 2,460 feet.
Area—108.5 acres.
Capacity—485 acre-feet or 158,000,000 gallons.
Depth—Prevailing 7 feet; maximum 13 feet.
Dam—Timber-crib, 140 feet long, 9 feet high, with earth and stone fill. Timber-crib spillway provided.
Topography—Surrounding country rises gradually to maximum height of 20 feet. Numerous stumps and snags show above water surface. Area flooded, originally was swamp. Practically entire surrounding country covered with second growth timber. Two boat houses at water edge.
Inlet—Main branch of Big Bushkill Creek, 15 to 18 feet wide, 1 foot deep; also Rocky Hill Creek, 35 feet wide, 1 to 2 feet deep, rocky channel full of debris; also outlet from Porters Lake, 8 to 10 feet wide, 1 to 2 feet deep, flowing through marshy ground.
Outlet—Big Bushkill Creek, 30 feet wide, 1 to 2 feet deep, flowing with good fall through rocky channel.
Utilization—Boating and fishing.
Navigation—Rowboats.
Opportunity for Storage—Good, steep banks at outlet.
Ownership—Porters Lake Hunting and Fishing Club claims control.

PICKEREL POND (See PAINTER DEN POND)

PICKERING POND

Location—Gibson Township, east central Susquehanna County, on branch of Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.
Type—Artificial.
Area—Approximately 12 acres.

PLATTENBURGS POND

Location—Northern Stroud Township, east central Monroe County, on small branch of Brodheads Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.0 square mile.

Elevation—638 (Bar.) referred to the State Highway Department levels from U. S. G. S. datum.

Shape—Regular, triangular; maximum length 2,170 feet; maximum width 975 feet.

Area—30.5 acres.

Capacity—68 acre-feet or 22,000,000 gallons.

Depth—Prevailing 3 feet; maximum 4 feet.

Dam—Earth and stone embankment, 450 feet long, 3 feet high. Downstream side faced with concrete wall.

Topography—Surrounded by steep hills, rising to maximum height of 100 feet; approximately 75% under cultivation, 25% forested with second growth timber. Near pond, one farm dwelling, 8 feet above water surface, while a barn approximately 6 to 8 feet below is protected by small dike.

Inlet—Small stream, 3 feet wide, 1 foot deep flowing through swampy ground. Also fed by springs.

Outlet—Small stream, 4 feet wide, 1 foot deep flowing with considerable fall through rocky channel into Brodheads Creek.

Utilization—Private ice supply and fish pond.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Mr. Plattenburg; not limited to shore line.

PLEASANT, LAKE

Location—Southwestern Venango Township, east central Erie County, on branch of Alder Run, Upper Allegheny Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.7 square miles.

Elevation—1297 (Bar.) referred to U. S. G. S. datum.

Shape—Oval, rather irregular; maximum length 2,640 feet; maximum width 1,250 feet.

Area—59.7 acres.

Capacity—1,071 acre-feet or 349,000,000 gallons.

Depth—Prevailing 24 feet; maximum 39 feet.

Dam—None.

Topography—Surrounded by generally low ground, rising gradually to maximum height of 60 feet. Public road parallels one shore. Two sides of lake exceedingly swampy. Approximately 40% of surrounding country sparsely wooded with second growth timber and

brush, 60% cultivated. Near shore one hotel and dance hall, 60 feet above water surface.

Inlet—Three small streams, 2 to 8 feet wide, 2 feet deep, flowing through marshy ground. Also fed by springs.

Outlet—Branch of Alder Run, 8 feet wide, 5 feet deep, flowing slowly through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Commonwealth of Pennsylvania claims control.

POCOHONTAS LAKE

Location—Northern Stroud Township, east central Monroe County, at headwaters of small branch of Brodheads Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 0.6 square mile.

Elevation—658 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow; maximum length 2,500 feet; maximum width 770 feet.

Area—32.9 acres.

Capacity—180 acre-feet or 59,000,000 gallons.

Depth—Prevailing 8 feet; maximum 10 feet.

Dam—Vertical dry stone wall, 375 feet long, 12 feet high, backed with earth and stone fill. Spillway near center.

Topography—Steep hills on three sides, rising to maximum height of approximately 150 feet; 75% of water shed covered with second growth timber and brush, 25% under cultivation. One dwelling with outbuildings near lake, 1 to 20 feet above water surface.

Inlet—Fed entirely by springs.

Outlet—Small stream, 7 feet wide, 1 foot deep, flowing with considerable fall through rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low lands at outlet.

Ownership—The Pocohontas Hunting & Fishing Club claims control of lake and surrounding country.

POCONO LAKE

Location—Southwestern Tobyhanna Township, northwestern Monroe County, on Tobyhanna Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 78.9 square miles.

Elevation—1636, referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, irregular; maximum length 20,400 feet; maximum width 3,400 feet.

Area—510.3 acres.

Capacity—4,248 acre-feet or 1,384,000,000 gallons.

Depth—Prevailing 9 feet; maximum 27 feet.

Dam—Timber-crib, approximately 350 feet long, 31 feet high, with earth and stone fill. Spillway, two rectangular outlet gates and timber sluiceway provided for regulation of height of water.

Topography—Lake lies between two ranges of hills. Surrounding country for most part low and flat with gradual rise of about 50 feet. Private road almost completely circles lake, from 5 to 15 feet above water surface. Public highway and N. Y. S. & W. R. R. cross upper end on fills for distances approximately 500 to 800 feet. Of surrounding country 90% thickly wooded with second growth timber, 10% cultivated. Two large ice houses, 80 to 85 summer dwellings, 8 boat houses and other outbuildings around margin of lake, 2 to 40 feet above water surface.

Inlets—Tobyhanna Creek, 50 feet wide, 2 feet deep, flowing through clean rocky channel. Wagners Branch Creek, 30 feet wide, 1 foot deep, flowing through marshy ground for short distance, with clean channel. Upper Tunkhannock Creek, 40 feet wide, 2 feet deep, flowing through muddy channel, free of debris. Butts Run, 6 feet wide, 1 foot deep, flowing through clean rocky channel. Wolf Spring Run, 4 feet wide, 1 foot deep, flowing through clean rocky channel. Also fed by springs.

Outlet—Tobyhanna Creek, 120 feet wide, 2 feet deep, flowing with good fall through clean rocky channel.

Utilization—Ice harvesting and summer resort.

Navigation—Motor boats, sail boats and rowboats.

Opportunity for Storage—None; low ground at outlet and improvements on shore of lake.

Ownership—Pocono Lake Water Co. claims control. The lake is leased by Mountain Ice Co., for purpose of harvesting ice.

POCONO SUMMIT LAKE (Two parts)

Location—Southeastern Coolbaugh Township, central Monroe County, on Red Run, Middle Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1822, referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular, rectangular; maximum length 3,360 feet; maximum width 2,080 feet.

Area—94.1 acres.

Capacity—249 acre-feet or 81,000,000 gallons.

Depth—Prevailing 4 feet; maximum 5 feet.

Dam—Earth and stone embankment, 1,500 feet long and 8 feet high. Timber-crib spillway partly washed out.

Topography—Lake, divided into two parts by D. L. & W. R. R. tracks, lies near top of mountains with surrounding country low and flat, and has gradual rise of about 40 feet on one side; approximately 90% covered with second growth, 10% cultivated. Four dwellings and several barns near the lake 8 to 10 feet above water surface.

Inlet—Red Run, 30 feet wide, 2 feet deep, flowing through swampy ground, with clean channel.

Outlet—Red Run, 15 feet wide, 1 foot deep, flowing through gravelly channel into swampy ground.

Utilization—Formerly used as storage reservoir for sawmill; also ice harvesting. D. L. & W. R. R. pumps water to storage tanks. Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Owned by private parties but leased by Lackawanna Mountain Ice Co.

POINTED LAKE

Location—Western Manchester Township, northeastern Wayne County, on Equinunk Creek, Upper Delaware Sub-basin.

Area—Less than 20 acres.

POPONOMING LAKE; old name SAYLORS LAKE

Location—Southwestern Hamilton Township, south central Monroe County, on Lake Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.4 square mile.

Elevation—641 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 2,910 feet; maximum width 885 feet.

Area—39.5 acres.

Capacity—556 acre-feet or 181,000,000 gallons.

Depth—Prevailing 19 feet; maximum 24 feet.

Dam—None.

Topography—Steep hills on three sides rising to maximum height of 150 feet. Approximately 40% of surrounding country thinly

covered with second growth timber, 60% under cultivation. Near lake 30 to 35 summer dwellings, outbuildings and large ice house, 2 to 20 feet above water surface.

Inlet—Fed by springs.

Outlet—Lake Creek, 8 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Ice harvesting and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low ground at outlet; small drainage area.

Ownership—Saylor's Lake Ice Co., and C. H. Latta claim control.

PORTERS LAKE

Location—Northern Porter Township, south central Pike County, on branch of Big Bushkill Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.3 square miles.

Elevation—1315, referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; maximum length 5,250 feet; maximum width 2,210 feet.

Area—224.0 acres.

Capacity—1,911 acre-feet or 623,000,000 gallons.

Depth—Prevailing 16 feet; maximum 18 feet.

Dam—Small regulating gate located on outlet, controlling head of 2 or 3 feet.

Topography—Portion of surrounding country flat, rising gradually to maximum height of 100 feet. Public roadway crosses outlet on small ridge. Approximately 90% of surrounding country densely wooded with second growth timber and brush, 10% cultivated. Near lake 13 boat houses, 2 large club houses with outbuildings and several cottages, 1 to 50 feet above water surface.

Inlet—Small stream, 3 feet wide, 6 to 8 inches deep, probably dry during summer months. Fed by springs.

Outlet—Branch of Big Bushkill Creek, 5 feet wide, 1 to 3 feet deep, flowing through channel full of debris.

Utilization—Private ice supply and summer resort. Used at one time for storage for sawmill located on outlet.

Navigation—Rowboats.

Opportunity for Storage—None, due to nature of surrounding country at outlet.

Ownership—The Porters Lake Hunting and Fishing Club claims control.

POSTS POND

Location—Central Bridgewater Township, central Susquehanna County, on branch of Meshoppen Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Elevation—1580 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—10.0 acres.

POYNTELLE, LAKE

Location—Central Preston Township, northwestern Wayne County, on branch of Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.0 square mile.

Elevation—1955 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Triangular, irregular; maximum length 3,110 feet; maximum width 1,600 feet.

Area—63.5 acres.

Capacity—885 acre-feet or 288,000,000 gallons.

Depth—Prevailing 23 feet; maximum 28 feet.

Dam—None.

Topography—High ground on all sides rising rapidly to maximum height of 100 feet; practically all densely wooded with second growth timber. Borough of Poyntelle on high ground at side of lake.

Inlet—Branch of Equinunk Creek, 8 feet wide, flowing through clean rocky channel.

Outlet—Branch of Equinunk Creek, 8 feet wide, flowing rapidly through rocky channel.

Utilization—Private ice supply, summer resort and local water supply.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Several persons claim surrounding land; not limited to shore line.

PRESTON LAKE

Location—North central Buckingham Township, north central Wayne County, at headwaters of branch of Delaware River, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1390 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—16.2 acres.

PRICE POND

Location—Southern Manchester Township, northeastern Wayne County, on branch of Little Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.9 square miles.

Elevation—1235 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, regular; maximum length 1,405 feet; maximum width 840 feet.

Area—20.0 acres.

Capacity—232 acre-feet or 75,000,000 gallons.

Depth—Prevailing 22 feet; maximum 32 feet.

Dam—None.

Topography—Low grounds on all sides rising gradually to maximum height of 40 feet. Practically all covered with second growth timber.

Inlet—Branch of Little Equinunk Creek, 8 feet wide, flowing through clean channel.

Outlet—Branch of Little Equinunk Creek, 12 feet wide, flowing through clean channel.

Utilization—Boating and fishing.

Opportunity for Storage—Could be increased slightly.

Ownership—Several persons claim control.

PROMISE LAND POND; old name LAURELDALE POND

Location—Northeastern Greene and southern Palmyra townships, west central Pike County, on East Branch of Wallenpaupack Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.5 square miles.

Elevation—1727 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow; numerous arms, very irregular; maximum length 11,210 feet; average width 1,254 feet.

Area—422.3 acres.

Capacity—2,349 acre-feet or 765,000,000 gallons.

Depth—Prevailing 10 feet; maximum 15 feet.

Dam—Vertical dry stone wall, 160 feet long, 15 feet high, backed with earth and stone fill. Concrete sheathed spillway provided. Height of water varies 1 to 1.5 feet during year.

Topography—Surrounding country rises gradually from water edge, reaching maximum height of approximately 100 feet. Island of considerable area rises 25 to 30 feet above water surface. Practically entire watershed covered with second growth timber. Near pond, one dwelling and several outbuildings 20 to 25 feet above water surface.

Inlet—Small streams, 8 to 10 feet wide, 1 to 2 feet deep, flowing through marshy ground.

Outlet—East Branch Wallenpaupack Creek, 20 feet wide, 1 to 2 feet deep, flowing through rocky channel.

Utilization—Private ice supply and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; high ground at outlet.

Ownership—Commonwealth of Pennsylvania under jurisdiction of the Department of Forestry.

PURDYS DAM

Location—Eastern New Milford Township, east central Susquehanna County, on Saltlick Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Elevation—1485 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—17.5 acres.

PURDYS POND; also called LOCKLIN LAKE

Location—Western Paupack Township, southeastern Wayne County, on Lakeville Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.2 square miles.

Elevation—1215 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, regular; maximum length 4,770 feet; maximum width 810 feet.

Area—61.0 acres.

Capacity—273 acre-feet or 89,000,000 gallons.

Depth—Prevailing 10 feet; maximum 11 feet.

Dam—Dry stone wall, 200 feet long, 10 feet high, with earth fill. Spillway provided.

Topography—High ground on three sides rising gradually to maximum height of 100 feet. About 75% of surrounding country covered with second growth timber, 25% cultivated. Village of Lakeville immediately below pond on outlet.

Inlet—Lakeville Creek, 8 feet wide, 1 foot deep, flowing through clean channel.

Outlet—Lakeville Creek, 8 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—D. A. Locklin, Lakeville, claims control.

QUAKER LAKE

Location—Central Silver Lake Township, northwestern Susquehanna County, on Little Snake Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam flooded small additional area.

Drainage Area—Approximately 1.1 square miles.

Elevation—1484 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, regular; maximum length 4,800 feet; maximum width 1,870 feet.

Area—127.0 acres.

Capacity—4,595 acre-feet or 1,497,000,000 gallons.

Depth—Prevailing 45 feet; maximum 67 feet.

Dam—Two vertical dry stone walls, approximately 75 feet long, 10 feet high, with earth and stone fill, and 50 feet of concrete core wall. Pipe outlet regulates height of water. Water lowered 3 feet during summer season.

Topography—Hills on all sides rise gradually, reaching maximum height of 125 feet. Public and private roads around lake, 3 to 8 feet above water surface. Approximately 20% of country densely wooded with second growth timber, 80% cultivated. Around margin of lake are 28 dwellings, 25 boat houses and other buildings, 1 to 25 feet above water surface.

Inlet—Little Snake Creek, 5 feet wide, 1 foot deep; practically dry in summer time. Fed by springs.

Outlet—Little Snake Creek, 3 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply and summer resort; used at one time as storage pond for grist mill.

Navigation—Motor boats and rowboats.

Opportunity for Storage—Good, topographically, not economical; small drainage area.

Ownership—Private parties claim land to shore line only.

QUINSIGAMOND, LAKE

Location—Southwestern South Canaan Township, west central Wayne County, on branch of Middle Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 4.7 square miles.

Elevation—1330 (Bar.) referred to U. S. G. S. datum.

Shape—Long and narrow, very irregular; maximum length 6,815 feet; maximum width 800 feet.

Area—68.9 acres.

Capacity—191 acre-feet or 62,000,000 gallons.

Depth—Prevailing 6 feet; maximum 8 feet.

Dam—Dry stone wall, 50 feet long, 12 feet high, backed with earth and stone fill. Spillway and two sluiceways regulate height of water.

Topography—Surrounding country under cultivation, rising in places to maximum height of 100 feet. One end of lake exceedingly marshy. Two cottages and mill near lake.

Inlet—Four small streams, 8 feet wide, 6 inches deep, flowing through clean channels.

Outlet—Branch of Middle Creek, 20 feet wide, 1 foot deep, flowing swiftly through clean rocky channel.

Utilization—Private ice supply, summer resort and water power for mill.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Miss Steele, Scranton, claims lake; Witfield Keiser, Varden, has water rights for mill purposes.

REININGS POND (See COLLINS POND)

RILLIE LAKE; old name, WILLIS LAKE

Location—Eastern Gibson Township, east central Susquehanna County, on branch of Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.3 square mile.

Elevation—1424 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—25.3 acres.

Capacity—347 acre-feet or 113,000,000 gallons.

Depth—Prevailing 21 feet; maximum 30 feet.

Dam—None.

Topography—Steep hills on three sides; other side rises approximately 12 feet in 200 feet, then slopes rapidly to small stream in hollow 350 feet away; 60% of surrounding country covered with second growth timber and brush, 10% with virgin timber; 30% cultivated. Two cottages near lake 8 to 10 feet above water surface.

Inlet—Small stream, practically dry during summer months, about 1 foot wide, 6 inches deep, with clean rocky channel. Also fed by springs.

Outlet—Small stream, branch of Tunkhannock Creek, flowing through deep cut at northwest corner of lake, 3 feet wide, 1.5 to 2

feet deep, with clean gravelly bottom. Stream falls at rate of 1 foot in 4 feet for a considerable distance.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low country at outlet, and steep surrounding slopes.

Ownership—Mrs. George Rine claims control.

ROBINSONS POND (See OREONOBA LAKE)

ROBINSONS POND; or WINONA, LAKE

Location—Eastern Palmyra Township, northwestern Pike County, on branch of Wallenpaupack Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1465 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—18.3 acres.

ROBINSONS POND (See ROTTS POND)

ROCK LAKE

Location—Northeastern Mount Pleasant Township, north central Wayne County, on tributary of West Branch Dyberry Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.1 square miles.

Elevation—1530 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, fairly regular; maximum length 2,635 feet; maximum width 1,800 feet.

Area—73.8 acres.

Capacity—1,298 acre-feet or 423,000,000 gallons.

Depth—Prevailing 34 feet; maximum 40 feet.

Dam—None.

Topography—Surrounded by high ground rising rapidly to maximum height of 50 feet; all covered with second growth timber.

Inlet—Fed by springs.

Outlet—Tributary of West Branch Dyberry Creek, 4 feet wide, flowing through rocky channel.

Utilization—Private ice supply, summer resort and camping ground.

Navigation—Rowboats.

Opportunity for Storage—Good; exceedingly steep banks at outlet.

Ownership—Private control.

ROCKY HILL POND

Location—Southwestern Dingman Township, central Pike County, on headwaters of Rocky Hill Creek, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 15 acres.

ROOTS POND (See BRUCE LAKE)

ROSE, LAKE

Location—Northwestern Fairmount Township, northwestern Luzerne County, on Kitchen Creek, Lower North Branch Susquehanna Sub-basin.

Type—Originally natural.

Drainage Area—Approximately 4.4 square miles.

Elevation—2200 (Bar.) referred to L. V. R. R. levels.

Shape—Very irregular; maximum length 3,280 feet; maximum width 1,370 feet.

Area—47.0 acres.

Capacity—264 acre-feet or 86,000,000 gallons.

Depth—Prevailing 10 feet; maximum 20 feet.

Dam—Timber-crib 150 feet long, 16 feet high, with earth and stone fill. Timber-crib spillway and sluiceway provided for regulation of height of water.

Topography—Surrounded by high ground, rising gradually to maximum height of 70 feet. Practically entire watershed covered with second growth timber. Near lake one cottage 15 feet above water surface.

Inlet—Small stream, 10 feet wide, 1 to 2 feet deep, flowing through clean channel.

Outlet—Kitchen Creek, 15 feet wide, 1 to 2 feet deep, flowing through clean rocky channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Col. R. B. Ricketts, Forty Fort, claims control.

ROSE LAKE

Location—North central Allegany Township, north central Potter County, Genesee Basin.

Type—Natural; mostly swamp.

Area—Approximately 5 acres.

ROSE POND

Location—Western Lebanon Township, north central Wayne County, on tributary of East Branch Dyberry Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.5 square miles.

Elevation—1670 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, long and irregular; maximum length 2,760 feet; maximum width 1,400 feet.

Area—46.6 acres.

Capacity—531 acre-feet or 173,000,000 gallons.

Depth—Prevailing 24 feet; maximum 34 feet.

Dam—None.

Topography—Pond between two ranges of hills. Ground on both sides rises gradually from water edge. Both ends slightly swampy. Practically entire surrounding country covered with second growth timber. One dwelling near lake.

Inlet—Tributary of East Branch Dyberry Creek, 4 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Tributary of East Branch Dyberry Creek, 20 feet wide, 1 foot deep, flowing through marshy ground.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control; limited to shore line.

ROTTS POND; old name, ROBINSONS POND

Location—Central Lenox Township, southeastern Susquehanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 6 acres.

ROUGH POND

Location—Eastern Colley Township, east central Sullivan County, on headwaters of tributary of South Branch Loyalsock Creek, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 8 acres.

ROUND POND

Location—Eastern Kidder Township, northeastern Carbon County, on branch of Tunkhannock Creek, Middle Delaware Sub-basin.

Type—Natural.

Elevation—1650 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—11.6 acres.

ROUND POND

Location—Northeastern Lenox and northwestern Clifford townships, southeastern Susquehanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.2 square mile.

Elevation—1362 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Elliptical, fairly regular; maximum length 1,840 feet; maximum width 790 feet.

Area—23.2 acres.

Capacity—310 acre-feet or 101,000,000 gallons.

Depth—Prevailing 20 feet; maximum 38 feet.

Dam—None.

Topography—Pond lies at base of two hills, ground rising gradually to maximum height of 100 feet. Public road parallels one side for 1,000 feet, 4 to 8 feet above water surface; two farm dwellings near pond 25 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary of East Branch Tunkhannock Creek, 6 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating and fishing. Small pumping plant on outlet raises water to private residence.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased.

Ownership—Private control.

RYMANS POND; or CATALPA LAKE

Location—North central Dallas Township, northern Luzerne County, on branch of Leonard Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.1 square miles.

Elevation—1270 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, very irregular; maximum length 3,200 feet; maximum width 2,350 feet.

Area—77.7 acres.

Capacity—267 acre-feet or 87,000,000 gallons.

Depth—Prevailing 6 feet; maximum 12 feet.

Dam—Vertical dry stone wall, 110 feet long, 20 feet high, backed with earth and stone fill, with roadway on top. Spillway and outlet pipe provided for regulation and control.

Topography—High ground on three sides, rising gradually to maximum height of 250 feet. Public road parallels two sides, 6 to 10 feet above water surface. Practically entire surrounding country covered with second growth timber. Two farm houses near pond, 30 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Leonard Creek, 6 feet wide, 2 inches deep, flowing swiftly through clean rocky channel.

Utilization—Private ice supply, boating, fishing and water power for sawmill.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Abraham Nesbit, Kingston, claims control.

SAND POND; also called CLEMO, LAKE

Location—Southeastern Cherry Ridge Township, south central Wayne County, at headwaters of branch of Wungum Brook, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1465 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, very irregular; maximum length 3,415 feet; maximum width 1,490 feet.

Area—84.7 acres.

Capacity—1,740 acre-feet or 567,000,000 gallons.

Depth—Prevailing 32 feet; maximum 49 feet.

Dam—None.

Topography—Surrounded by low ground, rising gradually to maximum height of 20 feet. Public road parallels one side. Almost entire surrounding country covered with second growth timber, few acres under cultivation. One dwelling and two barns on shore.

Inlet—Fed by springs.

Outlet—Branch of Wungum Brook, 3 feet wide, 2 feet deep, flowing through rocky channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased; high banks at outlet.

Ownership—Mrs. Sara Ripple Est., Scranton, claims control.

SANDY LAKE

Location—Lake and Sandy Lake townships, east central Mercer County, Upper Allegheny Sub-basin.

Type—Natural.

Drainage Area—4.5 square miles.

Elevation—1158, referred to U. S. G. S. datum.

Shape—Triangular, rather irregular; maximum length 5,070 feet; maximum width 1,930 feet.

Area—149.7 acres.

Capacity—3,359 acre-feet or 1,094,000,000 gallons.

Depth—Prevailing 25 feet; maximum 40 feet.

Dam—None.

Topography—Low ground on three sides rising gradually from water edge. North side rises steeply to maximum height of 340 feet. Inlet and outlet ends exceedingly swampy. Approximately 25% of surrounding country sparsely wooded with second growth timber, 75% cultivated. Water in lake somewhat contaminated by sulphurous mine waste. Around shores are 14 cottages, 1 hotel, a manufacturing plant, 2 ice houses, numerous boat houses, and portion of Borough of Stoneboro, all approximately 2 to 30 feet above water surface.

Inlets—Small stream, 1 foot wide, 1 foot deep, somewhat sulphurous. Minnie Run, 4 feet wide, 1 foot deep, flowing through marshy ground. Also fed by springs.

Outlet—Called the "Outlet", 10 to 12 feet deep, flowing through marshy ground for approximately a mile to confluence with Sandy Creek.

Utilization—Ice harvesting, summer resort and water supply for a magnesia manufacturing plant.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private and corporate; not limited to shore line. Lakeside Park Co. largest owner.

SAW CREEK CLUB POND

Location—Southeastern Porter Township, south central Pike County, on Middle Bushkill or Saw Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 19.7 square miles.

Elevation—987 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 3,385 feet; maximum width 850 feet.

Area—45.3 acres.

Capacity—112 acre-feet or 36,000,000 gallons.

Depth—Prevailing 4 feet; maximum 10 feet.

Dam—Timber-crib 550 feet long, 15 feet high, with earth and stone fill. Spillway and fishway provided.

Topography—Low hills on three sides rising steeply to maximum height of 50 feet. Entire surrounding country covered with second growth timber. Several boat houses, a club house and outbuildings near pond, 1 to 15 feet above water surface.

Inlet—Saw Creek, 10 to 15 feet wide, 1 to 2 feet deep, flowing through marshy ground. Also fed by springs.

Outlet—Saw Creek, 15 to 20 feet wide, 1 to 3 feet deep, flowing with a good fall through rocky channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be increased; steep banks at outlet.

Ownership—Saw Creek Club claims control.

SAWKILL POND

Location—North Dingman Township, east central Pike County, on Saw Kill, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.9 square miles.

Elevation—1216, referred to U. S. G. S. datum.

Shape—Oval, irregular; maximum length 2,900 feet; maximum width 1,250 feet.

Area—48.6 acres.

Capacity—296 acre-feet or 96,000,000 gallons.

Depth—Prevailing 9 feet; maximum 11 feet.

Dam—None.

Topography—Surrounded by high ground, rising gradually to maximum height of 200 feet; 85% covered with second growth timber; 15% under cultivation. Several dwellings considerable distance from pond, 50 feet above water surface.

Inlet—Small stream, 5 feet wide, 1.5 feet deep, flowing through marshy ground. Also fed by springs.

Outlet—Saw Kill, 10 feet wide, 1.5 feet deep, flowing through clean sandy channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Mary Phillips claims pond, limited to shore line.

SAYLORS LAKE (See POPONOMING LAKE)

SCHAPPS POND (See SILVER LAKE)

SCHOOLEYS POND

Location—Eastern Springville Township, south central Susquehanna County, on Pond Brook, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.8 square mile.

Elevation—1233 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Elliptical, irregular; maximum length 1,900 feet; maximum width 1,055 feet.

Area—39.3 acres.

Capacity—873 acre-feet or 284,000,000 gallons.

Depth—Prevailing 30 feet; maximum 44 feet.

Dam—None.

Topography—Hills on three sides rising gradually to maximum height of 100 feet. Approximately 90% of surrounding country cultivated, 10% covered with second growth timber. Public road parallels one side for distance of 1,000 feet, 8 to 10 feet above water surface. Five farm houses and outbuildings near pond, 15 to 20 feet above water surface.

Inlet—Several very small streams, dry during summer months. Also fed by springs.

Outlet—Pond Brook, 2 feet wide, 1 foot deep, flowing through swampy ground and clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; due to low ground around outlet.

Ownership—Private control; not limited to shore line.

SCOTT LAKE; old name, PERCH POND

Location—Western Blooming Grove Township, west central Pike County, on branch of Shohola Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.7 square mile.

Elevation—1610 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 2,500 feet; maximum width 640 feet.

Area—28.6 acres.

Capacity—291 acre-feet or 95,000,000 gallons.

Depth—Prevailing 10 feet; maximum 17 feet.

Dam—None.

Topography—Surrounding country flat and low for some distance, with cranberry bog on two sides; thence rising gradually to maximum height of 150 feet. Entire watershed covered with second growth timber.

Inlet—Small stream, 4 feet wide, 6 inches deep, flowing through marshy ground, channel full of debris. Also fed by springs.

Outlet—Branch of Shohola Creek, 10 feet wide, 1 foot deep, flowing through marshy ground.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet. Dam site available at point short distance downstream.

Ownership—Blooming Grove Hunting & Fishing Club claims control.

SCRANTON, LAKE

Location—City of Scranton, Lackawanna County, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—6.0 square miles.

Elevation—1282 referred to U. S. G. S. datum.

Area—225.2 acres.

Capacity—7,726 acre-feet or 2,518,000,000 gallons.

Dam—Masonry and earth embankment.

Utilization—Water supply, city of Scranton.

Ownership—Scranton Gas & Water Company, Scranton.

SEATON LAKE

Location—Northeastern Wharton Township, southeastern Fayette County, on Big Meadow Run, Monongahela Sub-basin.

Type—Artificial.

Elevation—1950, referred to U. S. G. S. datum.

Area—Approximately 77 acres.

Capacity—100,000,000 gallons.

SECOND POND (See TAMINENT, LAKE)

SEVEN MILE POND; also called UNDERWOOD, LAKE

Location—East central Preston Township, north central Wayne County, on branch of Equinunk Creek, Upper Delaware Sub-basin.

Type—Originally natural; dam caused slight increase in submergence.

Drainage Area—Approximately 1.7 square miles.

Elevation—1415 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, irregular; maximum length 3,360 feet; maximum width 1,350 feet.

Area—72.9 acres.

Capacity—1,112 acre-feet or 362,000,000 gallons.

Depth—Prevailing 26 feet; maximum 32 feet.

Dam—Vertical dry stone wall, 80 feet long, 8 feet high, backed with earth and stone fill. Spillway provided for regulation of height of water.

Topography—Surrounded by high ground rising rapidly to maximum height of 50 feet; all covered with second growth timber. Large club house stands on hill overlooking lake.

Inlet—Kellog Creek, 6 feet wide, flowing through marshy ground, with channel full of debris. Also fed by springs.

Outlet—Branch of Equinunk Creek, 12 feet wide, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Lake Underwood Nimrod Club claims control.

SEYLEYS POND (See ECHO LAKE)

SHARPES POND

Location—Western Windham Township, northwestern Wyoming County, on Little Mehoopany Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.0 square miles.

Elevation—1090 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,785 feet; maximum width 1,300 feet.

Area—45.8 acres.

Capacity—211 acre-feet or 69,000,000 gallons.

Depth—Prevailing 8 feet; maximum 15 feet.

Dam—Vertical dry stone wall, 60 feet long, 10 feet high, backed with earth and stone fill. Spillway provided.

Topography—Pond lies between two ranges of hills, ground rising steeply, reaching maximum height of 200 feet. Public road parallels one side, 2 to 10 feet above water surface. About 35% of surrounding country covered with second growth timber, 65% under cultivation.

Inlet—Little Mehoopany Creek, 5 feet wide, 6 inches deep, flowing through marshy ground.

Outlet—Little Mehoopany Creek, 6 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—E. C. Sharpe, R. F. D., Laceyville, claims control.

SHEHAWKEN POND (See CHEHOCTON POND)

SHEIK POND, or SHERIDAN, LAKE

Location—West central Benton Township, northwestern Lackawanna County, on Sheik Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 5.3 square miles.

Elevation—1070 (Bar.) referred to U. S. G. S. datum.

Shape—Long and narrow; maximum length 5,700 feet; maximum width 1,060 feet.

Area—86.7 acres.

Capacity—539 acre-feet or 176,000,000 gallons.

Depth—Prevailing 11 feet; maximum 20 feet.

Dam—Vertical dry stone wall, 130 feet long, 15 feet high, faced with concrete. Public roadway on top. Concrete spillway and outlet pipe provided for regulating height of water.

Topography—Surrounded by high ground, rising gradually to maximum height of 200 feet. Public road parallels two sides, 2 to 60 feet above water surface. About 75% of surrounding country covered with second growth timber, 25% cultivated. Twenty-four summer cottages and one hotel near lake, 8 to 30 feet above water surface.

Inlets—Small stream, 10 feet wide, 1.5 feet deep, flowing through swampy ground. Sheik Creek, 10 feet wide, 1 foot deep, flowing through clean rocky channel.

Outlet—Sheik Creek, 12 feet wide, 2 feet deep, flowing swiftly through clean rocky channel.

Utilization—Private ice supply, water supply for Factoryville, and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—Could be increased; steep banks at outlet.

Ownership—Private control.

SHIBLEYS POND

Location—West central Nicholson Township, northeastern Wyoming County, on branch of Bartholemew Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1195 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—16.0 acres.

SHIELDSBORO POND

Location—Central Lebanon Township, north central Wayne County, on East Branch of Dyberry Creek, Upper Delaware Sub-basin.

Area—Approximately 10 acres.

SHOHŌLA FALLS DAM, LOWER; or HILLIARD, LAKE

Location—Eastern Blooming Grove, and northwestern Dingman townships, central Pike County, on Shohola Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 60 square miles.

Elevation—1151 referred to U. S. G. S. datum.

Shape—Long and narrow, very irregular; maximum height 17,600 feet; maximum width 1,800 feet.

Area—569.9 acres.

Capacity—2,164 acre-feet or 705,000,000 gallons.

Depth—Prevailing 6 feet; maximum 11 feet.

Dam—Timber-crib, approximately 1,000 feet long, 14 feet high, with earth and stone fill. Timber sluiceway regulates height of water.

Topography—Lake lies between two ranges of hills rising steeply in places, reaching maximum height of 360 feet. Approximately 98% of surrounding country covered with second growth timber, 2% cultivated. Lake one of number of logging pools. Sawmill and lumber camp, dwellings on surrounding hills at considerable height above dam.

Inlets—Shohola Creek, 20 feet wide, 3 to 4 feet deep, flowing through marshy ground, clean channel. Rattlesnake Creek, 20 to 30 feet wide, 2 to 3 feet deep, flowing through marshy ground for some distance. Half-mile Brook, 15 to 20 feet wide, 2 feet deep. Also fed by springs.

Outlet—Shohola Creek, 15 feet wide, 1 foot deep, flowing with good fall in clean rocky channel.

Utilization—Boating and fishing. Principal use is storage dam for "running" logs. A hydroelectric development has been proposed.

Navigation—Motor boats and rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Shohola Falls Land Co. claims control.

SICKLERS POND

Location—West central Greenfield Township, north central Lackawanna County, on tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 4.1 square miles.

Elevation—1170 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, very irregular; maximum length 5,690 feet; maximum width 1,735 feet.

Area—93.8 acres.

Capacity—328 acre-feet or 107,000,000 gallons.

Depth—Prevailing 6 feet; maximum 10 feet.

Dam—Dry stone wall, 150 feet long, 9 feet high, backed with earth and stone fill. Stone spillway and timber outlet flume regulates height of water.

Topography—Lake lies between two ranges of hills, ground rising steeply from water edge to maximum height of 150 feet; 25% of surrounding country covered with second growth timber, 75% cultivated. Marshy around shore, with stumps and snags. Four or five farm houses near pond 6 to 10 feet above water surface.

Inlet—Tributary of South Branch Tunkhannock Creek, 6 to 8 feet wide, 2 feet deep, flowing through marshy ground, channel filled with debris. Also fed by springs.

Outlet—Tributary of South Branch Tunkhannock Creek, 4 feet wide, 6 inches deep, flowing rapidly through good rocky channel.

Utilization—Private ice supply, boating, fishing and regulating pond for saw mill; cider mill on outlet.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control.

SILKWORTH, LAKE (See THREE CORNERED POND)

SILVER LAKE, also called MILL POND

Location—At Bristol Borough, south central Bristol Township, southeastern Bucks County, on Mill Creek, Middle Delaware Sub-basin.

Area—Approximately 15 acres.

SILVER LAKE; also called EDGEMERE LAKE; old name SCHAPPS POND

Location—Western Delaware Township, south central Pike County, on Dingmans Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.0 square miles.

Elevation—1308 referred to U. S. G. S. datum.

Shape—Long and irregular; maximum length 6,055 feet; maximum width 1,600 feet.

Area—138.0 acres.

Capacity—3,706 acre-feet or 1,207,000,000 gallons.

Depth—Prevailing 33 feet; maximum 45 feet.

Dam—None; however, about 500 feet from lake on outlet is wooden sluiceway with gate to regulate water during heavy rainfall.

Topography—Steep hills on three sides rising to maximum height of 100 feet. Of surrounding country, 95% covered with second growth timber, 5% cultivated. Ten summer cottages near lake, and ten boat houses on lake.

Inlet—Fed by springs.

Outlet—Dingmans Creek, 6 feet wide, 2 feet deep, flowing through clean channel between steep banks.

Utilization—Private ice supply, private water supply and summer resort.

Navigation—Launches, sailboats and rowboats.

Opportunity for Storage—None, topographically.

Ownership—The Edgemere Club owns greater part of land.

SILVER LAKE

Location—Southern Silver Lake Township, northwestern Susquehanna County, on Silver Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural.

Drainage Area—Approximately 1.7 square miles.

Elevation—1718 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, triangular, irregular; maximum length 3,460 feet; maximum width 1,700 feet.

Area—83.3 acres.

Capacity—3,180 acre-feet or 1,036,000,000 gallons.

Depth—Prevailing 51 feet; maximum 100 feet.

Dam—Vertical dry stone wall, 75 feet long, 5 feet high, backed with earth and stone fill. Spillway provided.

Topography—Surrounded almost entirely by densely wooded hills. Ground rises gradually, in most places reaching maximum height of 200 feet. Approximately 90% of surrounding country thickly covered with second growth and virgin timber, 10% cultivated. Ten summer cottages, two dwellings, several barns and sheds and seven boat houses 1 to 15 feet above water surface.

Inlet—Fed by springs.

Outlet—Silver Creek, 6 feet wide, 6 inches deep, flowing through clean gravelly channel.

Utilization—Private ice supply, private water supply and summer resort.

Navigation—Sailboats and rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Private control of lake and surrounding country.

SILVER LAKE

Location—Southern Fairview Township, northern York County, on Bennett Run, Lower Main Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 5.0 square miles.

Elevation—434, referred to U. S. G. S. datum.

Slope—Long and narrow, irregular; maximum length 2,150 feet; maximum width 800 feet.

Area—24.3 acres.

Capacity—81 acre-feet or 26,000,000 gallons.

Depth—Prevailing 6 feet; maximum 7 feet.

Dam—Earth and stone embankment, about 200 feet long, 8 feet high. Timber gate provided for regulation of height of water.

Topography—Low, flat country on all sides. Ground rises on south into range of hills approximately 450 feet in height. One end of lake very marshy. Public road parallels one side for about 1,500 feet, 6 to 20 feet above water surface. Cultivated, except narrow strip of timber entirely around shore averaging 20 to 30 feet in width. Three or four farm houses near lake, 10 to 30 feet above water surface.

Inlets—Bennett Run, 6 feet wide, 2 feet deep, flowing through clean sandy channel. Small stream, 7 feet wide, 1 foot deep, flowing through clean sandy channel.

Outlet—Through headrace to mill, then into Bennett Run, 10 feet wide, 2 to 3 feet deep, flowing through clean sandy channel.

Utilization—Private ice supply, boating, fishing and water power for grist mill.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Lewis Cline, Lewisberry, claims control.

SIMS POND (See WELCOME LAKE)

SLY POND

Location—Eastern Preston Township, north central Wayne County, on Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.4 square mile.

Elevation—1445 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Triangular, irregular; maximum length 2,400 feet; maximum width 1,600 feet.

Area—52.5 acres.

Capacity—843 acre-feet or 275,000,000 gallons.

Depth—Prevailing 28 feet; maximum 54 feet.

Dam—None.

Topography—Low ground on all sides rising gradually from water edge. Entire surrounding country wooded with second growth timber.

Inlet—Fed by springs.

Outlet—Equinunk Creek, 5 feet wide, flowing through open channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet.

Ownership—Several persons claim control.

SMITH POND

Location—Central Dorrance Township, south central Luzerne County, on Little Wapwallopen Creek, Lower North Branch Susquehanna Sub-basin.

Area—Approximately 6 acres.

SNAG POND

Location—Western Lehigh Township, southwestern Wayne County, on branch of Lehigh River, Middle Delaware Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

SNOOKS POND

Location—Southern Jefferson Township, east central Lackawanna County, on West Branch Wallenpaupack Creek, Upper Delaware Sub-basin.

Area—Approximately 2 acres.

SOUTH POND

Location—Southeastern Ross Township, northwestern Luzerne County, on branch of Hunlock Creek, Lower North Branch Susquehanna Sub-basin.

Type—Originally natural; dam materially increased submergence.

Drainage Area—Approximately 1.8 square miles.

Elevation—1205, referred to U. S. G. S. datum.

Shape—Triangular, regular; maximum length 2,960 feet; maximum width 1,935 feet.

Area—81.2 acres.

Capacity—965 acre-feet or 314,000,000 gallons.

Depth—Prevailing 19 feet; maximum 30 feet.

Dam—Concrete, 35 feet long, 5 feet high. Outlet pipe regulates height of water.

Topography—Surrounding country generally low, rising to maximum height on west side of 100 feet. At one end of lake, ground very flat and swampy. Practically entire watershed covered with second growth timber. One boat house at water edge.

Inlet—Branch of Hunlock Creek, 2 feet wide, 6 inches deep, flowing through marshy ground, with channel strewn with debris. Also fed by springs.

Outlet—Branch of Hunlock Creek, 8 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Mrs. Ella Benscoter, Hunlock Creek, claims control.

SOUTH POND; old name ELY LAKE

Location—Western Brooklyn Township, south central Susquehanna County, on branch of Meshoppen Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.7 square mile.

Elevation—1271 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, rather irregular; approximate diameter 1,160 feet.

Area—34.0 acres.

Capacity—1,277 acre-feet or 416,000,000 gallons.

Depth—Prevailing 58 feet; maximum 75 feet.

Dam—None.

Topography—High hills on all sides rising rapidly to maximum height of 100 feet. Public road parallels one side for about 400 feet, 10 feet above water surface. Approximately 20% of surrounding country covered with second growth timber, 80% cultivated. Three summer cottages and three farm houses near pond, 5 to 20 feet above water surface.

Inlet—Fed by springs.

Outlet—Small branch of Meshoppen Creek, 6 feet wide, 1 foot deep, flowing through clean gravelly channel.

Utilization—Private ice supply and summer resorts.
Navigation—Rowboats.
Opportunity for Storage—Good; steep banks at outlet.
Ownership—Private control of lake, not limited to shore line.

SOUTHWORTH POND

Location—Southwestern Liberty Township, north central Susquehanna County, on branch of Snake Creek, Upper North Branch Susquehanna Sub-basin.
Type—Artificial.
Area—Approximately 1.0 acre.

SPRING POND (See MOODY POND)

SPRUCE POND

Location—Eastern Preston Township, north central Wayne County, on small branch of Equinunk Creek, Upper Delaware Sub-basin.
Type—Natural.
Drainage Area—Approximately 0.3 square mile.
Elevation—1470 (Bar.) referred to N. Y. O. & W. R. R. levels.
Shape—Oval, regular; maximum length 1,510 feet; maximum width 850 feet.
Area—20.0 acres.
Capacity—185 acre-feet or 60,000,000 gallons.
Depth—Prevailing 19 feet; maximum 22 feet.
Dam—None.
Topography—High ground on all sides rising rapidly from water edge. Practically all surrounding country covered with second growth timber.
Inlet—Fed by springs.
Outlet—Branch of Equinunk Creek, 10 feet wide, flowing through clean channel.
Utilization—Boating and fishing.
Navigation—Rowboats.
Opportunity for Storage—Could be increased; steep banks at outlet.
Ownership—Peter J. Madigan, Lakewood, claims control.

SPRUCE CABIN POND

Location—Central Barrett Township, northeastern Monroe County, on branch of Brodheads Creek, Upper Delaware Sub-basin.
Area—Approximately 15 acres.

STAGMIER POND

Location—Southeastern Lehigh Township, south central Lackawanna County, on Pond Creek, Lower North Branch Susquehanna Sub-basin.

Area—Approximately 5 acres.

STANLEY POND

Location—Southwestern Choconut Township, northwestern Susquehanna County, on branch of Choconut Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.6 square miles.

Elevation—1490 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, rather irregular; maximum length 2,175 feet; maximum width 1,070 feet.

Area—29.7 acres.

Capacity—118 acre-feet or 39,000,000 gallons.

Depth—Prevailing 5 feet; maximum 7 feet.

Dam—Stone masonry wall, about 120 feet long, 12 feet high, backed with earth and stone embankment, with a roadway on top. Stone spillway provided.

Topography—Pond lies between two ranges of hills rising gradually to maximum height of 175 feet. About 10% of surrounding country covered with second growth timber, 90% under cultivation. Four farm houses and outbuildings near pond, 15 to 30 feet above water surface.

Inlet—Small stream, 10 feet wide, 1 foot deep, flowing through marshy ground, channel full of debris.

Outlet—Branch of Choconut Creek, 6 feet wide, 6 inches deep, flowing through rocky channel full of debris.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private parties claim control.

STANTON POND (See LADORE, LAKE)

STAR POND

Location—Northeastern Scott Township, northern Wayne County, on branch of Balls Creek, Upper Delaware Sub-basin.

Area—Approximately 15 acres.

STARE DAM

Location—Southeastern Colley Township, southeastern Sullivan County, on Mehoopany Creek, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 5 acres.

STARLIGHT LAKE; also called LIZARD LAKE

Location—Scott and Buckingham townships, north central Wayne County, on branch of Chehocton Creek, Upper Delaware Sub-basin.

Type—Originally natural; dam caused slight increase in submergence.

Drainage Area—Approximately 2.3 square miles.

Elevation—1345 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Long, irregular; maximum length 2,880 feet; maximum width 1,035 feet.

Area—39.9 acres.

Capacity—517 acre-feet or 168,000,000 gallons.

Depth—Prevailing 24 feet; maximum 39 feet.

Dam—Dry stone wall, 50 feet long, 8 feet high, faced with concrete. Spillway, with provisions for flash boards, regulates height of water.

Topography—Surrounding country generally high rising rapidly from water edge. Public road parallels shore. Entire surrounding country covered with second growth timber.

Inlet—Branch of Chehocton Creek, 3 feet wide, 6 inches deep, flowing through clean channel.

Outlet—Branch of Chehocton Creek, 6 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Several persons claim surrounding country, limited to shore line.

STARRS POND

Location—South central Asylum Township, southeastern Bradford County, on Burell Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 15 acres.

STATES POND

Location—Northern North Abington Township, northwestern Lackawanna County, on South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 5 acres.

STATES POND

Location—South Springville Township, south central Susquehanna County, on Meshoppen Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 8 acres.

STEARNS LAKE

Location—Northern Gibson Township, east central Susquehanna County, on branch of Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1523 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, irregular; maximum length 2,600 feet; maximum width 1,090 feet.

Area—38.5 acres.

Capacity—1,052 acre-feet or 343,000,000 gallons.

Depth—Prevailing 36 feet; maximum 64 feet.

Dam—None.

Topography—Surrounded by steep hills rising rapidly to maximum height of approximately 150 feet; 90% thickly covered with second growth and virgin timber, 10% under cultivation.

Inlet—Two small streams, practically dry during the summer months, about 2 to 3 feet wide, 6 to 8 inches deep. Also fed by springs.

Outlet—Branch of Tunkhannock Creek, 8 feet wide, 1 foot deep, with gravelly channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Several persons claim lake, limited to shore line.

STILLWATER LAKE; also called TUNKHANNOCK LAKE

Location—Eastern Tobyhanna Township, central Monroe County, on Upper Tunkhannock Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 14.2 square miles.

Elevation—1814, referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 6,550 feet; maximum width 3,140 feet.

Area—272.2 acres.

Capacity—1,334 acre-feet, or 435,000,000 gallons.

Depth—Prevailing 6 feet; maximum 12 feet.

Dam—Timber-crib 450 feet long, 8 feet high, with earth and stone fill. Timber and concrete spillway and outlet pipes regulate height of water.

Topography—Lake very swampy at one end. Surrounding country generally low and flat, rising to maximum height of 50 feet on south side. Track of D. L. & W. R. R. parallels one side for distance of approximately 3,500 feet, and 3 to 5 feet above water surface. Approximately 90% of surrounding country wooded with second growth timber, 10% under cultivation. Two ice houses, five dwellings and several barns near lake, 5 to 10 feet above water surface.

Inlets—Hockey Pond Stream, 20 feet wide, 2 feet deep, flowing through swampy ground, clean channel. Red Run, 8 feet wide, 1 foot deep, flowing through swampy ground, clean channel. Also fed by springs.

Outlet—Upper Tunkhannock Creek, 30 feet wide, 2 feet deep, flowing through clean rocky channel.

Utilization—Ice harvesting, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet, also D. L. & W. R. R. side track along lake.

Ownership—Mountain Ice Co. claims control.

STINK POND (See CRYSTAL LAKE)

STOCKERS POND

Location—Central Ararat Township, east central Susquehanna County, on branch of West Branch Lackawanna River, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.0 square mile.

Elevation—1955 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; oblong; maximum length 2,180 feet; maximum width 690 feet.

Area—23.2 acres.

Capacity—157 acre-feet or 51,000,000 gallons.

Depth—Prevailing 11 feet; maximum 14 feet.

Dam—Timber-crib 175 feet long, 15 feet high, with earth and stone fill; roadway on top. Plank sluiceway with provisions for flashboards, and outlet pipe provided.

Topography—Surrounded by hills reaching maximum height of approximately 50 feet. Branch line of Erie R. R. parallels one side about 15 feet above water surface. Approximately 10% of surrounding country covered with second growth timber, 90% cultivated. One dwelling, several barns and sheds near pond, 5 to 15 feet above water surface.

Inlets—Small stream, outlet from Oreonoba Lake, 15 feet wide, 1 foot deep, flowing through swampy ground, clean channel. Small stream, 10 feet wide, 1 foot deep, flows through clean channel. Outlet from Ball Pond.

Outlet—Branch of West Branch Lackawanna River, approximately 20 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Ice harvesting and water supply for Erie R. R., also boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; proximity of Erie R. R.

Ownership—Erie R. R. Co. owns to high water mark, not limited to shore line.

STOWELL POND

Location—East central Wilmot Township, southeastern Bradford County, on small branch of Sugar Run Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 15 acres.

STULL DAM

Location—Northern Ross Township, northwestern Luzerne County, on North Branch of Bowman Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 8 acres.

STULLS POND (See CHAPMANS LAKE)

STUMPY POND (See CORILLA LAKE)

SUGAR LAKE

Location—Northern Wayne Township, southeastern Crawford County, on Lake Creek, Upper Allegheny Sub-basin.

Type—Natural.

Drainage Area—Approximately 23.3 square miles.

Elevation—1248 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, irregular; approximate diameter 2,200 feet.

Area—90.1 acres.

Capacity—684 acre-feet or 223,000,000 gallons.

Depth—Prevailing 10 feet; maximum 14 feet.

Dam—None.

Topography—Surrounded on all sides by rolling country rising gradually from water edge. Swampy ground completely borders, and public road parallels two sides of, lake. Approximately 60% of surrounding country covered with second growth timber and brush, 40% under cultivation. One hotel, three cottages and three oil wells near lake, 4 to 30 feet above water surface.

Inlet—Small stream, 5 feet wide, 2 feet deep, flowing through marshy ground, channel strewn with debris. Also fed by springs.

Outlet—Lake Creek, 30 feet wide, 2 to 3 feet deep, flowing through marshy ground, channel free of debris.

Utilization—Private ice supply and small summer resort.

Navigation—Rowboats.

Opportunity for Storage—Could be increased slightly, with damage to cottages on shore.

Ownership—Private control of land to water edge, limited to shore line.

SUMMIT LAKE

Location—Northeastern Newton and southwestern South Abington townships, west central Lackawanna County, on Summit Lake Creek, Lower North Branch Susquehanna Sub-basin.

Type—Originally natural.

Elevation—1381 referred to U. S. G. S. datum.

Drainage Area—Approximately 1.0 square mile.

Area—57.0 acres.

Capacity—259,000,000 gallons.

Dam—Earthen embankment and masonry wall, approximately 220 feet long and 20 feet high. Spillway of concrete.

Utilization—Water supply for Scranton and vicinity.

Ownership—Scranton Gas & Water Co., Scranton.

SUMMIT LAKE (See BONE POND)

SWAGO POND

Location—Northeastern Damascus Township, northeastern Wayne County, headwaters of Galilee Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.3 square mile.

Elevation—1285 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 1,960 feet; maximum width 1,285 feet.

Area—39.7 acres.

Capacity—827 acre-feet or 270,000,000 gallons.

Depth—Prevailing 40 feet; maximum 50 feet.

Dam—None.

Topography—Surrounding country generally low, ground rising gradually from water edge, reaching maximum height of 40 feet; all covered with second growth timber.

Inlet—Fed by springs.

Outlet—Galilee Creek, 5 feet wide, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased; high ground at outlet.

Ownership—Private control.

SWAMP POND

Location—Northeastern Clinton Township, west central Wayne County, on tributary of West Branch of Lackawaxen River, Upper Delaware Sub-basin.

Area—Approximately 10 acres.

TAMARACK POND

Location—Central Standing Stone Township, east central Bradford County, on tributary of North Branch Susquehanna River, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 12 acres.

TAMINENT, LAKE; old name, SECOND POND

Location—Western Lehman Township, south central Pike County, on branch of Little Bushkill Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.4 square miles.

Elevation—1120 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 3,470 feet; maximum width 1,530 feet.

Area—79.0 acres.

Capacity—980 acre-feet or 319,000,000 gallons.

Depth—Prevailing 19 feet; maximum 40 feet.

Dam—Timber-crib, 30 feet long, 2 to 3 feet high, with earth fill; dilapidated.

Topography—Steep hills rising to maximum height of 100 feet; 90% of surrounding country covered with second growth timber, 10% cultivated. Boat house and three cabins near lake, 1 to 10 feet above water surface.

Inlet—Branch of Little Bushkill Creek, 3 to 4 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Branch of Little Bushkill Creek, 4 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Arthur Lederer claims control.

TARBLE POND (See LAKESIDE POND)

TEA POND

Location—Eastern Lenox Township, south central Susquehanna County, on tributary of East Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1229 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—11.7 acres.

TEEDYUSCONG, LAKE (See TINK POND, BIG)

TELSHOW POND

Location—West central South Canaan Township, southwestern Wayne County, on branch of Middle Creek, Upper Delaware Sub-basin.

Area—Approximately 10 acres.

THIRD POND

Location—Central Lehman Township, south central Pike County, headwaters of branch of Little Bushkill Creek, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 5 acres.

THREE CORNERED POND, or SILKWORTH, LAKE

Location—Southwest Lehman Township, north central Luzerne County, on headwaters of branch of Hunlock Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1205, referred to U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 3,000 feet; maximum width 1,750 feet.

Area—74.3 acres.

Capacity—1,087 acre-feet or 354,000,000 gallons.

Depth—Prevailing 22 feet; maximum 30 feet.

Dam—Concrete, 15 feet long, 2 feet high, with spillway.

Topography—Surrounding country rising gradually from water edge to maximum height of 100 feet on north side. Public road parallels three sides, 5 to 30 feet above water surface. Practically entire watershed covered with second growth timber. Four summer cottages and hotel near lake, 12 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Hunlock Creek, 4 feet wide, 6 inches deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low country around outlet.

Ownership—Several persons claim control.

THREE DOLLAR POND (See MUD PONDS)

TINGLEY LAKE

Location—Northern Harford Township, central Susquehanna County, on branch of Nine Partners Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam flooded small additional area.

Drainage Area—Approximately 1.4 square miles.

Elevation—1495 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Elliptical, fairly regular; maximum length 2,690 feet; maximum width 1,160 feet.

Area—42.3 acres.

Capacity—1,041 acre-feet or 339,000,000 gallons.

Depth—Prevailing 37 feet; maximum 47 feet.

Dam—Vertical dry stone wall, about 30 feet long, 6 feet wide, backed with earth and stone fill. Spillway provided.

Topography—Hills on all sides rising gradually to maximum height of 150 feet. About 30% of surrounding country sparsely covered with

second growth and virgin timber, 70% cultivated. Two summer cottages and six farm houses near lake, 5 to 25 feet above water surface.

Inlets—Several small streams, dry in summer months. Fed by springs.

Outlet—Branch of Nine Partners Creek, approximately 6 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None.

Ownership—Private control, not limited to shore line.

TINK POND, BIG; also called TEEDYUSCONG, LAKE

Location—Northern Lackawaxen Township, north central Pike County, on Tink Brook, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.7 square mile.

Elevation—1243 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, irregular; maximum length 4,190 feet; maximum width 1,555 feet.

Area—80.0 acres.

Capacity—982 acre-feet or 320,000,000 gallons.

Depth—Prevailing 18 feet; maximum 24 feet.

Dam—None.

Topography—Hills on three sides rising gradually to maximum height of 150 feet. Entire surrounding country covered with second growth timber. Ten to twelve summer cottages and several boat houses, 1 to 50 feet above water surface.

Inlet—Fed by springs.

Outlet—Tink Brook, 6 feet wide, 1 to 2 feet deep, flowing through channel with more or less debris.

Utilization—Private ice supply; private water supply for cottages and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good, high banks at outlet.

Ownership—Claimed by several persons; some claim only to shore line while others claim lake and right of entry thereon.

TRIANGULAR POND, or NUANGOLA, LAKE

Location—Northwestern Wright Township, central Luzerne County, on headwaters of Little Wapwallopen Creek, Lower North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1210 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, very irregular; maximum length 3,500 feet; maximum width 3,250 feet.

Area—98.5 acres.

Capacity—777 acre-feet or 253,000,000 gallons.

Depth—Prevailing 13 feet; maximum 23 feet.

Dam—Vertical dry stone wall, 30 feet long, 2 feet high, backed with earth and stone fill. Spillway provided.

Topography—Hills on all sides rising rapidly to maximum height of 300 feet. Entire surrounding country covered with second growth timber. Eight boat houses and 70 cottages near lake, 1 to 40 feet above water surface.

Inlet—Fed by springs.

Outlet—Little Wapwallopen Creek, 6 feet wide, 6 inches deep, flowing through marshy ground, channel strewn with debris.

Utilization—Private ice supply and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—None; low and marshy ground around outlet.

Ownership—Private control of land surrounding lake, limited to shore line.

TRIPP LAKE

Location—Western Liberty Township, northwestern Susquehanna County, on branch of Snake Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1621 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 1,575 feet; maximum width 980 feet.

Area—26.2 acres.

Capacity—585 acre-feet or 191,000,000 gallons.

Depth—Prevailing 33 feet; maximum 50 feet.

Dam—None.

Topography—Low, gradually rising country on three sides, reaching maximum height of 75 feet; about 60% covered with second growth timber, 40% cultivated. Four boat houses and three summer homes near lake, 1 to 50 feet above water surface.

Inlet—Fed by springs.

Outlet—Small branch of Snake Creek, 3 feet wide, 6 inches deep, flowing through gravelly channel full of debris.

Utilization—Private ice supply and summer camp for boys. Small pumping plant at water level.

Navigation—Rowboats.

Opportunity for Storage—Good, high banks at outlet.

Ownership—Several persons claim control.

TROUT LAKE

Location—Southern Jackson Township, south central Monroe County, on Pensil Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 3.0 square miles.

Elevation—888 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, irregular; maximum length 4,680 feet; maximum width 1,715 feet.

Area—89.7 acres.

Capacity—851 acre-feet or 277,000,000 gallons.

Depth—Prevailing 14 feet; maximum 18 feet.

Dam—Earth and stone embankment, 300 feet long, 30 feet high, with public roadway on crest. Masonry spillway with concrete core wall and outlet pipe regulate height of water. At upper end of lake an earth and stone dike, 300 feet long, controls head of about 4 feet.

Topography—Lake lies between two ranges of hills rising steeply to maximum height of 60 feet. Side track of N. Y. S. & W. R. R. parallels one side for 1,800 feet to 2,000 feet, 5 feet above water surface. Roadway parallels two sides for about 3,500 feet, 5 to 10 feet above water surface. Approximately 95% of country cultivated, 5% covered with second growth timber. Ice house, five dwellings, several barns and offices near lake, 8 to 10 feet above water surface.

Inlet—Pensil Creek, 15 feet wide, 1 foot deep, flows through clean rocky and gravelly channel. Also fed by springs.

Outlet—Pensil Creek, 15 feet wide, 2 feet deep, flowing through clean rocky channel.

Utilization—Ice harvesting and private fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet and upper end of lake.

Ownership—Mountain Ice Co. claims control.

TUNKHANNOCK LAKE (See STILLWATER LAKE)

Tripp Lake, Susquehanna County
(See page 181)

Tuscarora Lake, Susquehanna County
(See page 183)

TURTLE POND

Location—Central Foster Township, southeastern Luzerne County, on Pond Creek, Middle Delaware Sub-basin.

Type—Natural.

Area—Approximately 8 acres.

TUSCARORA LAKE; old name, KINNEYS POND

Location—Southwestern Rush Township, also northwestern Auburn Township, southwestern Susquehanna County, on branch of Tuscarora Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.3 square miles.

Elevation—1234 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, triangular; irregular; maximum length 3,500 feet; maximum width 1,540 feet.

Area—68.7 acres.

Capacity—400 acre-feet or 130,000,000 gallons.

Depth—Prevailing 9 feet; maximum 18 feet.

Dam—Earth and stone embankment, approximately 200 feet long, 9 feet high.

Topography—Steep hills on three sides rising to maximum height of approximately 100 feet. Bottom of lake very muddy. Approximately 35% of country densely wooded with second growth and virgin timber, 65% under cultivation. One shed near lake 5 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Tuscarora Creek, about 6 feet wide, 6 inches deep, flowing through gravelly channel, full of debris.

Utilization—Boating and fishing. This was an old mill pond. Surface elevation varies from 2 to 3 feet during summer months.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Several persons claim entire lake and right of entry thereon.

TWELVE MILE POND (See HUNTERS RANGE LAKE)

TWIN LAKE, LOWER

Location—Eastern Preston Township, north central Wayne County, on branch of Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1440 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, irregular, maximum length 1,785 feet; maximum width 760 feet.

Area—20.7 acres.

Capacity—277 acre-feet or 90,000,000 gallons.

Depth—Prevailing 47 feet; maximum 56 feet.

Dam—Vertical dry stone wall, 150 feet long, 6 feet high, backed with earth fill. Spillway provided.

Topography—High ground on three sides rising rapidly from water edge. Greater portion of surrounding land under cultivation, the remainder covered with second growth timber.

Inlet—Branch of Equinunk Creek, 6 feet wide, flowing through rocky channel.

Outlet—Branch of Equinunk Creek, 6 feet wide, flowing through clean channel.

Utilization—Summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Private control, limited to shore line.

TWIN LAKE, UPPER

Location—Eastern Preston Township, north central Wayne County, on branch of Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.3 square mile.

Elevation—1505 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, irregular; maximum length 2,835 feet; maximum width 1,185 feet.

Area—58.8 acres.

Capacity—1330 acre-feet or 433,000,000 gallons.

Depth—Prevailing 37 feet; maximum 45 feet.

Dam—Vertical dry stone wall 75 feet long, 5 feet high, backed with earth fill; spillway in center.

Topography—High ground on three sides rising rapidly from water edge. Approximately 80% of surrounding country covered with second growth timber, 20% cultivated.

Inlet—Fed by springs.

Outlet—Branch of Equinunk Creek, 6 feet wide, flowing swiftly through rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; due to low ground at outlet.

Ownership—Several private interests claim surrounding land but not the lake.

TWIN LAKES (See BRINK PONDS, BIG AND LITTLE)

TWIN LAKES, ONE OF (See ELK LAKES, BIG OR LITTLE)

TYLER LAKE

Location—Central Harford Township, central Susquehanna County, on branch of Nine Partners Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam caused large increase in submergence.

Drainage Area—Approximately 1.1 square miles.

Elevation—1470 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 2,480 feet; maximum width 1,480 feet.

Area—35.9 acres.

Capacity—653 acre-feet or 213,000,000 gallons.

Depth—Prevailing 25 feet; maximum 58 feet.

Dam—Stone wall, 75 feet long, 10 feet high, backed with earth and stone fill.

Topography—Surrounded by hills rising gradually to maximum height of 100 feet. Public road crosses inlet and for about 300 feet is 3 to 4 feet above water surface. Approximately 40% of surrounding country covered with second growth timber, 60% under cultivation. An ice house and dwelling near the lake, 3 to 15 feet above water surface.

Inlet—Branch of Nine Partners Creek, approximately 8 feet wide, 1 foot deep, flowing through clean gravelly channel.

Outlet—Branch of Nine Partners Creek, approximately 3 feet wide, 1 foot deep, flowing through rocky channel full of debris. The stream falls at a rate of approximately 200 feet in 1500 to 2000 feet.

Utilization—Water supply for town of Harford, private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground on east side.

Ownership—Private control of surrounding land, not limited to shore line. The water rights of lake are reserved.

UNDERWOOD, LAKE (See SEVEN MILE POND)

UNION LAKE

Location—Central Manchester Township, northeastern Wayne County, on branch of Little Equinunk Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.7 square mile.

Elevation—1415 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, irregular; approximate diameter 1,200 feet.

Area—26.7 acres.

Capacity—352 acre-feet or 115,000,000 gallons.

Depth—Prevailing 24 feet; maximum 35 feet.

Dam—None.

Topography—Low ground on three sides rising to maximum height of 40 feet. Public road parallels one side. Practically entire surrounding country under cultivation. One large summer hotel near lake.

Inlet—Fed by springs.

Outlet—Branch of Little Equinunk Creek, 10 feet wide, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Union Lake Hotel Co. claims control.

UPPER LAKE

Location—Southwestern New Milford Township, central Susquehanna County, on Martin Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.9 square mile.

Elevation—1390 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, triangular, rather irregular; maximum length 2,710 feet; maximum width 1,210 feet.

Area—42.0 acres.

Capacity—549 acre-feet, or 179,000,000 gallons.

Depth—Prevailing 19 feet; maximum 30 feet.

Dam—None.

Topography—Hills on three sides rising steeply in places and reaching maximum height of 100 feet. Country around the outlet slightly marshy. Approximately 60% of surrounding country under cultivation, 40% thinly covered with second growth timber. Two cottages, one boat house and sawmill near lake, 1 to 6 feet above water surface.

Inlet—Martin Creek, about 2 feet wide, 6 inches deep, small stream practically dry during summer, flows through clean gravelly channel. Also fed by several springs.

Outlet—Martin Creek, about 10 feet wide, 2 feet deep, with clean gravelly channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around outlet, also steep banks of lake.

Ownership—Private control, not limited to shore line.

VIEW, LAKE; old names KETCHELLS POND and PANTHER LAKE

Location—East central Berlin Township, eastern Wayne County; northern Lackawaxen Township, north central Pike County, on branch of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1141 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Circular, irregular; approximate diameter 925 feet.

Area—20.2 acres.

Capacity—241 acre-feet or 79,000,000 gallons.

Depth—Prevailing 19 feet; maximum 25 feet.

Dam—None.

Topography—Ground rises gradually from water edge to maximum height of 70 feet; approximately 40% covered with second growth timber, 60% cultivated. Large summer hotel near lake, 40 to 50 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Mast Hope Creek, 10 to 12 feet wide, 1 foot deep, flowing through marshy ground.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Dam site available on outlet.

Ownership—Several persons claim control.

WALKER LAKE, BIG

Location—Central Shohola Township, northeastern Pike County, on branch of Pond Creek, Upper Delaware sub-basin.

Type—Natural.

Elevation—1204, referred to U. S. G. S. datum.

Area—17.7 acres.

WALKER LAKE, LITTLE

Location—Central Shohola Township, northeastern Pike County, on branch of Pond Creek, Upper Delaware Sub-basin.

Type—Natural.

Elevation—1222, referred to U. S. G. S. datum.

Area—Approximately 3 acres.

WALLING POND or MANATAKA, LAKE

Location—Southwestern Benton Township, northwestern Lackawanna County, on tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.1 square miles.

Elevation—1130 (Bar.) referred to U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,000 feet; maximum width 890 feet.

Area—27.2 acres.

Capacity—258 acre-feet or 84,000,000 gallons.

Depth—Prevailing 19 feet; maximum 28 feet.

Dam—None.

Topography—Surrounded by steep hills which rise gradually to maximum height of 100 feet. Public road parallels one side, 1 to 20 feet above water surface. Practically entire surrounding country under cultivation. One boat house and three dwellings near lake, 1 to 10 feet above water surface.

Inlet—Small stream, 2 feet wide, 1 foot deep, flowing through clean rocky channel. Also fed by springs.

Outlet—Tributary of South Branch of Tunkhannock Creek, 5 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Unseated; owner unknown.

WARREN POND

Location—Southwestern Warren Township, northeastern Bradford County, on Wappasening Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 10 acres.

WATAWGO, LAKE; also called GOULDSBORO ICE POND

Location—Southwestern Lehigh Township, southwestern Wayne County, on branch of Lehigh River, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.2 square miles.

Elevation—1910 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; maximum length 3,270 feet; maximum width 2,735 feet.

Area—111.7 acres.

Capacity—293 acre-feet or 95,000,000 gallons.

Depth—Prevailing 5 feet; maximum 7 feet.

Dam—Timber-crib, 75 feet long, 9 feet high, with earth and stone fill. Timber sluiceway with gate regulation provided.

Topography—Surrounded by low ground rising gradually from water edge. Railroad track parallels one side. Surrounding country covered with second growth timber. Two large ice houses near lake.

Inlets—Branch of Lehigh River, 10 feet wide, 1 foot deep, flowing through debris-strewn channel in marshy ground. Branch of Lehigh River, 5 feet wide, 6 inches deep, flowing through debris-strewn channel in marshy ground. Also fed by springs.

Outlet—Branch of Lehigh River, 8 feet wide, 2 feet deep, flowing through rocky channel.

Utilization—Ice harvesting, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; exceedingly low ground at outlet.

Ownership—Gouldsboro Ice Co., Gouldsboro, claims entire control.

WELCOME LAKE; old name SIMS POND; also called HUNTINGDON POND, JOHN

Location—Northern Lackawaxen Township, north central Pike County, on branch of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.3 square miles.

Elevation—1145 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, irregular; maximum length 2,040 feet; maximum width 1,320 feet.

Area—39.4 acres.

Capacity—548 acre-feet or 178,000,000 gallons.

Depth—Prevailing 20 feet; maximum 25 feet.

Dam—None.

Topography—Surrounding country rises gradually to maximum height of 100 feet, 90% covered with second growth timber, 10% cultivated. One boat house and one dwelling near lake, 1 foot and 25 feet above water surface.

Inlet—Branch of Mast Hope Creek, 6 feet wide, 1 foot deep, flowing through marshy ground. Also fed by springs.

Outlet—Branch of Mast Hope Creek, 12 feet wide, 1 to 2 feet deep.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good, a short distance downstream, along outlet.

Ownership—Several persons claim control.

WERNERTOWN DAM

Location—Southwestern Coolbaugh Township, northwestern Monroe County, on Tobyhanna Creek, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 29.5 square miles.

Elevation—1755 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 4,520 feet; maximum width 2,635 feet.

Area—128.5 acres.

Capacity—1,037 acre-feet or 338,000,000 gallons.

Depth—Prevailing 10 feet; maximum 20 feet.

Dam—Earth and stone embankment, 650 feet long, 18 feet high. Timber-crib, having concrete side-walls; also outlet pipe, provided for regulation of height of water.

Topography—Lake lies among hills; the country, in places, rising steeply to maximum height of 150 feet. Approximately 98% of surrounding country sparsely covered with second growth timber and brush; 2% under cultivation. Large ice house, three dwellings and several barns near lake, 8 to 10 feet above water surface.

Inlet—Tobyhanna Creek, 20 feet wide, 3 feet deep, flowing through rocky channel. Also fed by springs and several small streams which are dry in summer.

Outlet—Tobyhanna Creek, approximately 75 feet wide, 3 feet deep, flowing through clean rocky channel. Approximately 500 feet below dam is waterfall of about 30 feet.

Utilization—Ice harvesting and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; due to low ground at outlet; however, there is opportunity for small water power development in vicinity of falls.

Ownership—Lehigh Coal & Navigation Co., the Tobyhanna Creek Ice Co., and several persons own surrounding country. The lake, owever, claimed by Tobyhanna Ice Co.

WESAUKING LAKE

Location—Northwestern Wysox Township, central Bradford County, on Wysox Creek, Upper North Branch Susquehanna Sub-basin.

Type—Originally natural; dam caused slight additional submergence.

Drainage Area—Approximately 1.6 square miles.

Elevation—1260 (Bar.) referred to L. V. R. R. levels.

Shape—Oval, very irregular; maximum length 3,070 feet; maximum width 1,700 feet.

Area—67.3 acres.

Capacity—1,840 acre-feet or 600,000,000 gallons.

Depth—Prevailing 42 feet; maximum 69 feet.

Dam—Earth and stone embankment, 25 feet long 6 feet high.

Topography—Surrounding country under cultivation, rises generally to maximum height of 150 feet. Public road parallels shore, 10 to 20 feet above water surface. Four boat houses and several summer cottages, 1 to 10 feet above water surface.

Inlet—Wysox Creek, 6 feet wide, 1 foot deep, flowing through clean rocky channel.

Outlet—Wysox Creek, 6 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low ground around inlet; valuable property near shore.

Ownership—Private parties own land to water edge; limited to shore line.

WESTBROOKS LAKE or LONG POND

Location—Western Blooming Grove Township, west central Pike County, on branch of Shohola Creek, Upper Delaware Sub-basin.

Type—Natural.

Area—Approximately 12 acres.

WESTCOLANG, LAKE

Location—Central Lackawaxen Township, north central Pike County, on Westcolang Creek, Upper Delaware Sub-basin.

Type—Originally natural; dam flooded large additional area.

Drainage Area—Approximately 1.5 square miles.

Elevation—1056 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long, very irregular; maximum length 7,425 feet; maximum width 2,015 feet.

Area—192.7 acres.

Capacity—2,293 acre-feet or 747,000,000 gallons.

Depth—Prevailing 17 feet; maximum 30 feet.

Dam—Timber-crib, 150 feet long, 12 feet high, with earth and stone fill. Timber spillway regulates height of water.

Topography—High ground on all sides, reaching maximum height of about 300 feet. Numerous cranberry bogs on lake; bottom very muddy, practically entire watershed covered with second growth timber. Several boat houses and summer cottages, 1 to 15 feet above water surface.

Inlet—Two small streams, 4 to 5 feet wide, 1 foot deep, flowing through swampy ground with clean channels. Also fed by springs.

Outlet—Westcolang Creek, 10 to 12 feet wide, 1 to 2 feet deep, flowing through rocky channel strewn with debris.

Utilization—Private ice supply, private water supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Could be increased, due to nature of ground surrounding outlet.

Ownership—Several persons claim control.

WESTCOTT POND

Location—Southern Benton Township, northwestern Lackawanna County, on tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Area—Approximately 4 acres.

WEST END LAKE

Location—Northeastern Clifton Township, southeastern Lackawanna County; also western Lehigh Township, south central Wayne County, on Lehigh River, Middle Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 16.0 square miles.

Elevation—1860 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 2,150 feet; maximum width 1,620 feet.

Area—40.1 acres.

Capacity—179 acre-feet or 58,000,000 gallons.

Depth—Prevailing 6 feet; maximum 10 feet.

Dam—Timber-crib, 232 feet long, 9.5 feet high, with earth and stone fill. Timber spillway and sluiceway provided.

Topography—Hills on three sides, rising steeply in places, to maximum height 40 feet. Sidetrack of D. L. & W. R. R. parallels one side for 400 to 600 feet, 5 feet above water surface. Several small islands about 4 to 5 feet in height and one-half acre in area. About 25% of surrounding country covered with second growth timber, 75% under cultivation. Ice house, six dwellings, several barns and sheds near lake, 8 to 25 feet above water surface.

Inlet—Lehigh River, 20 feet wide, 4 to 5 feet deep, flows through clean gravelly channel.

Outlet—Lehigh River, 40 feet wide, 3 feet deep, flowing through clean rocky channel with good fall.

Utilization—Ice harvesting and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low country at outlet; also railroad and highway.

Ownership—Lehigh & Lackawanna Ice Co. claims control.

WEST SPRUCE POND

Location—Central Preston Township, northwestern Wayne County, headwaters of branch of Starrucca Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.4 square mile.

Elevation—1995 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Long and narrow, regular; maximum length 3,800 feet; maximum width 1,040 feet.

Area—63.2 acres.

Capacity—599 acre-feet or 195,000,000 gallons.

Depth—Prevailing 16 feet; maximum 20 feet.

Dam—Dry stone wall with earth fill. Abandoned.

Topography—Low ground on all sides rising gradually from water edge; country mostly under cultivation; scattered patches of second growth timber over watershed.

Inlet—Fed by springs.

Outlet—Branch of Starrucca Creek, 8 feet wide, flowing through clean channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased, due to banks at outlet.

Ownership—Several persons own surrounding land; limited to shore line.

WHEIR LAKE

Location—Southern Chestnuthill Township, southwestern Monroe County, on branch of Big Creek, Middle Delaware Sub-basin.

Type—Natural.

Area—Approximately 12 acres.

WHITE LAKE

Location—East central Lower Makefield Township, east central Bucks County, on Headley Creek, Middle Delaware Sub-basin.

Area—Approximately 11 acres.

WHITE LAKE; old name LEACH LAKE

Location—Eastern Franklin Township, north central Susquehanna County, on White Run, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—2144 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—18.9 acres.

WHITE DEER LAKE

Location—Northwestern Blooming Grove Township, northwestern Pike County, on branch of Blooming Grove Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.4 square miles.

Elevation—1489 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Oval, irregular; maximum length 2,800 feet; maximum width 1,140 feet.

Area—48.3 acres.

Capacity—414 acre-feet or 135,000,000 gallons.

Depth—Prevailing 12 feet; maximum 18 feet.

Dam—None.

Topography—Hills on three sides rising gradually for most part to maximum height of 125 feet. Practically entire watershed covered with second growth timber; State Forest Reserve.

Inlet—Fed by springs.

Outlet—Branch of Blooming Grove Creek, 4 feet wide, 1 foot deep, flowing through cranberry bog for some distance.

Utilization—Boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—None; low ground at outlet.

Ownership—Commonwealth of Pennsylvania, under the jurisdiction of the Department of Forestry.

WHITEMORES POND

Location—Southwestern Greenfield Township, northeastern Lackawanna County, on Fall Brook, Lower North Branch Susquehanna Sub-basin.

Type—Artificial.

Area—Approximately 3 acres.

WHITE OAK POND

Location—Central Clinton Township, west central Wayne County, on tributary of West Branch Lackawaxen River, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 4.2 square miles.

Elevation—1370 (Bar.) referred to U. S. G. S. datum.

Shape—Circular, irregular; approximate diameter 2,620 feet.

Area—134.0 acres.

Capacity—521 acre-feet or 170,000,000 gallons.

Depth—Prevailing 6 feet; maximum 10 feet.

Dam—None at present. About 1864, vertical dry stone wall, 300 feet long, 25 feet high, backed with earth fill, was constructed. At the time of closing D. & H. Canal, dam was abandoned.

Topography—High ground on three sides rising rapidly in places and reaching maximum height of 250 feet. Swampy ground completely borders lake. Portion of lake itself is cranberry bog. Public road parallels one side, 1 to 10 feet above water surface. Practically entire surrounding country under cultivation. Two farms near the pond, 30 feet above water surface.

Inlet—Tributary of the West Branch Lackawaxen River, 6 feet wide, 1 foot deep, flowing through clean channel.

Outlet—Tributary of the West Branch Lackawaxen River, 16 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating and fishing. Originally used as feeder for the D. & H. Canal.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Several persons claim control.

WHITES POND

Location—Northern Auburn Township, southwestern Susquehanna County, on Little Meshoppen Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 1.0 square mile.

Elevation—1142 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow; maximum length 2,850 feet; maximum width 670 feet.

Area—31.9 acres.

Capacity—92 acre-feet or 30,000,000 gallons.

Depth—Prevailing 6 feet; maximum 8 feet.

Dam—Dry masonry wall, approximately 110 feet long, 10 feet high, backed with earth fill. Wooden sluiceway and outlet flume provided.

Topography—Pond lies between two ranges of hills, ground rising gradually in places to maximum height of 175 feet; about 30% covered with second growth timber, 70% cultivated. Slightly swampy around inlet. One dwelling and several sheds near lake, 15 to 20 feet above water surface.

Inlet—Little Meshoppen Creek, 2 feet wide, 6 inches deep, flowing through marshy ground with clean gravelly channel. Also fed by 4 or 5 large springs.

Outlet—Little Meshoppen Creek, 10 feet wide, 6 inches deep, flows through gravelly and rocky channel, full of debris.

Utilization—Private ice supply, boating and fishing; regulating pond for Meshoppen water supply. Formerly used as power for sawmill and grist mill.

Navigation—Rowboats.

Opportunity for Storage—Good; narrow valley, and steep banks at outlet.

Ownership—Abram White, claims to high water mark.

WILCOX POND, UPPER; also called KELLOW POND

Location—Central Oregon Township, central Wayne County, at headwaters of Carley Brook, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.6 square mile.

Elevation—1025 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 3,600 feet; maximum width 1,150 feet.

Area—42.7 acres.

Capacity—946 acre-feet or 308,000,000 gallons.

Depth—Prevailing 40 feet; maximum 62 feet.

Dam—None. Dam on outlet has been destroyed.

Topography—Surrounded on all sides by low land, rising to maximum height of 25 feet. Almost entire country under cultivation. One dwelling and barn on shore of pond.

Inlet—Fed by springs.

Outlet—Carley Brook, 3 feet wide, 6 inches deep, flowing swiftly through rocky channel.

Utilization—Private ice supply, boating and fishing.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—Penwarden Estate, Carley Brook, claims control.

WILDERS POND

Location—Central South Canaan Township, southwestern Wayne County, on branch of Wilders Creek, Upper Delaware Sub-basin.

Area—Approximately 5 acres.

WILDWOOD LAKE

Location—Western Susquehanna Township, southwestern Dauphin County, on Paxton Creek, Lower Main Susquehanna Sub-basin.

Type—Artificial.

Drainage Area—Approximately 18.7 square miles.

Elevation—321, referred to U. S. G. S. datum.

Shape—Long and narrow, maximum length 7,620 feet; maximum width 1,050 feet.

Area—135.3 acres.

Capacity—200,000,000 gallons.

Depth—Prevailing 3 feet.

Dam—Earthen embankment, approximately 1,300 feet long, 14 feet high; various regulating devices control height of water.

Topography—Hills on east side rise in places to maximum height of 180 feet above water surface, while ground on west side is low, rising to height of approximately 10 to 15 feet, portion of surrounding country covered with second growth timber, remainder being under cultivation.

Inlet—Paxton Creek and several small streams.

Outlet—Paxton Creek.

Utilization—Flood control of Paxton Creek, also used as public resort for boating and fishing.

Ownership—City of Harrisburg.

WILDWOOD POND

Location—Southern Lake Township, southwestern Wayne County, on Ariel Creek, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 2.6 square miles.

Elevation—1355 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Long and narrow, irregular; maximum length 3,660 feet; maximum width 985 feet.

Area—58.3 acres.

Capacity—327 acre-feet or 107,000,000 gallons.

Depth—Prevailing 10 feet; maximum 20 feet.

Dam—Timber-crib, 250 feet long, 10 feet high, with earth and stone fill. Spillway provided.

Topography—Surrounded on all sides by high ground, rising rapidly to maximum height of 60 feet; all covered with second growth timber. Two dwellings on shore near pond.

Inlet—Ariel Creek, 10 feet wide, 1 foot deep, flowing through marshy ground.

Outlet—Ariel Creek, 12 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; steep banks at outlet.

Ownership—E. Osborn, Lake Ariel, claims control.

WILLIAM, LAKE; also called LITTLE LAKE

Location—Northern Elkland Township, northwestern Sullivan County, on headwaters of branch of Elk Creek, Lower West Branch Susquehanna Sub-basin.

Type—Natural.

Area—Approximately 10 acres.

WILLIAMS POND

Location—Northeastern Bridgewater Township, central Susquehanna County, on branch of Snake Creek, Upper North Branch Susquehanna Sub-basin.

Type—Artificial.

Elevation—1463 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—Approximately 15 acres.

WILLIAMS LAKE (See ADAMS POND)

WILLIAMS MILL POND

Location—Western Buckingham Township, north central Wayne County, on Fall Brook, Upper Delaware Sub-basin.

Type—Artificial.

Drainage Area—Approximately 6.7 square miles.

Elevation—1300 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Oval, very irregular; maximum length 1,850 feet; maximum width 825 feet.

Area—22.1 acres.

Capacity—99 acre-feet or 32,000,000 gallons.

Depth—Prevailing 10 feet; maximum 12 feet.

Dam—Vertical dry stone wall, 120 feet long, 20 feet high, backed with earth fill. Spillway provided.

Topography—Surrounding country generally low, with very little rise. Public road parallels one side. Approximately 50% of surrounding country covered with second growth timber, 50% under cultivation.

Inlet—Fall Brook, 20 feet wide, flowing through marshy ground, channel full of debris.

Outlet—Fall Brook, 20 feet wide, flowing through clean rocky channel.

Utilization—Boating, fishing, camping ground and water power for planing mill.

Navigation—Rowboats.

Opportunity for Storage—Could be slightly increased; good character of banks at outlet.

Ownership—H. A. Williams, Hancock, N. Y., claims control.

WILLIS LAKE (See RILLIE LAKE)

WINDFALL POND, or KEWAUNA, LAKE

Location—West central Benton Township, northwestern Lackawanna County, on headwaters of tributary of South Branch Tunkhannock Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.8 square mile.

Elevation—1150 (Bar.) referred to U. S. G. S. datum.

Shape—Oval, irregular, maximum length 2,170 feet; maximum width 1,040 feet.

Area—40.9 acres.

Capacity—623 acre-feet or 203,000,000 gallons.

Depth—Prevailing 26 feet; maximum 55 feet.

Dam—None.

Topography—Surrounded by steep hills rising gradually from water edge to maximum height of 100 feet. Marshy ground almost completely borders lake. Practically entire surrounding country covered with second growth timber. Near pond are five summer cottages and boat house, 1 to 10 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary of South Branch Tunkhannock Creek, 2 feet wide, 1 foot deep, flowing slowly through marshy ground.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None; low and marshy ground at outlet.

Ownership—Private control.

WINOLA, LAKE; old name, BREECHES POND

Location—Central Overfield Township, east central Wyoming County, on branch of Buttermilk Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 2.4 square miles.

Elevation—1000 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 7,225 feet, maximum width 2,600 feet.

Area—190.3 acres.

Capacity—5,713 acre-feet or 1,862,000,000 gallons.

Depth—Prevailing 54 feet; maximum 80 feet.

Dam—None.

Topography—Surrounded by steep ground, rising rapidly from water edge to maximum height of 200 feet. Public road parallels two sides, 5 to 15 feet above water surface. Approximately 50% of surrounding country covered with second growth timber, 50% cultivated. Two hotels, 40 to 50 summer cottages, 10 or 12 boat houses near lake, 1 to 50 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Buttermilk Creek, 10 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—Could be increased; steep banks at outlet; would damage cottages and boat houses.

Ownership—Several persons claim control.

WINONA, LAKE (See ROBINSONS POND)

WINTER POND

Location—North central Cherry Ridge Township, south central Wayne County, on small branch of Lackawaxen River, Upper Delaware Sub-basin.

Area—Approximately 10 acres.

WOLF LAKE; also called FOREST LAKE

Location—Northwestern Lackawaxen Township, north central Pike County, on branch of Mast Hope Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.1 square miles.

Elevation—1272 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 4,590 feet; maximum width 2,000 feet.

Area—134.3 acres.

Capacity—1,438 acre-feet or 469,000,000 gallons.

Depth—Prevailing 17 feet; maximum 19 feet.

Dam—Earthen, 40 feet long; 2.0 feet high. Concrete spillway provided.

Topography—Surrounding country rises gradually to maximum height of 90 feet, all covered with second growth timber. Several boat houses at the water edge and club house 1,000 feet from lake, 90 feet above water surface.

Inlet—Fed by springs.

Outlet—Branch of Mast Hope Creek, 12 to 13 feet wide, 1 to 2 feet deep, flowing through marshy ground.

Utilization—Private ice supply and summer resort.

Navigation—Rowboats.

Opportunity for Storage—None, low ground around outlet.

Ownership—Forest Lake Club, not limited to shore line.

WOLF LAKE

Location—Borough of Chambersburg, central Franklin County, on Conococheague Creek, Potomac Basin.

Type—Artificial.

Elevation—595, referred to U. S. G. S. datum.

Area—16.5 acres.

WOODS POND, LOWER

Location—Central Lebanon Township, central Wayne County, on tributary of East Branch Dyberry Creek, Upper Delaware Subbasin.

Type—Artificial.

Drainage Area—Approximately 3.1 square miles.

Elevation—1510 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Irregular; maximum length 3,235 feet; maximum width 1,090 feet.

Area—57.9 acres.

Capacity—677 acre-feet or 221,000,000 gallons.

Depth—Prevailing 17 feet; maximum 29 feet.

Dam—Vertical dry stone wall, 450 feet long, 30 feet high, backed with earth and stone fill. Timber sluiceway regulates height of water.

Topography—Pond lies between two ranges of hills, country rising gradually and reaching maximum height of 100 feet; practically all covered with second growth timber.

Inlets—Two small streams, 4 feet wide, 6 inches deep, flowing through clean channels. Also fed by springs.

Outlet—Tributary of East Branch Dyberry Creek, 12 feet wide, 1 foot deep, flowing through clean rocky channel.

Utilization—Private ice supply, boating and fishing; originally used as feeder for D. & H. Canal.

Navigation—Rowboats.

Opportunity for Storage—Good, topographically.

Ownership—Reifler & Sons, Tanners Falls, claim control.

WOODS POND, UPPER

Location—North Lebanon Township, north central Wayne County, at headwaters of tributary of East Branch Dyberry Creek, Upper Delaware Sub-basin.

Type—Natural.

Drainage Area—Approximately 1.3 square miles.

Elevation—1595 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Very irregular; maximum length 2,855 feet; maximum width 1,620 feet.

Area—75.7 acres.

Capacity—1,742 acre-feet or 568,000,000 gallons.

Depth—Prevailing 43 feet; maximum 70 feet.

Dam—None.

Topography—Surrounded by rapidly rising country reaching maximum height of 40 feet; all forested with second growth timber. One cottage and an ice house on shore of pond.

Inlet—Fed by springs.

Outlet—Tributary of East Branch Dyberry Creek, 10 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Ice harvesting and summer resort.

Navigation—Rowboats.

Opportunity for Storage—Good; topographically.

Ownership—Reifler & Sons, Tanners Falls, own surrounding country, limited to shore line.

WRIGHTER POND

Location—Western Preston Township, northwestern Wayne County, on branch of Starrucca Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.7 square mile.

Elevation—1860 (Bar.) referred to N. Y. O. & W. R. R. levels.

Shape—Triangular, irregular; maximum length 3,300 feet; maximum width 2,000 feet.

Area—91.4 acres.

Capacity—1,893 acre-feet or 617,000,000 gallons.

Depth—Prevailing 36 feet; maximum 59 feet.

Dam—Vertical dry stone wall, 75 feet long, 8 feet high, backed with earth and stone fill.

Topography—Pond lies near top of hills; surrounding country generally low, rising steeply close to shore and reaching maximum height of about 40 feet; practically all cultivated. Public road parallels one side. Several cottages and farm houses with outbuildings near lake, 5 to 20 feet above water surface.

Inlet—Branch of Starrucca Creek, 6 feet wide, flowing through clean channel. Also fed by springs.

Outlet—Branch of Starrucca Creek, 8 feet wide, flowing through clean channel.

Utilization—Private ice supply and summer resort.

Navigation—Motor boats and rowboats.

Opportunity for Storage—Could be increased slightly; steep banks at outlet.

Ownership—Private control.

WYALUSING LAKE

Location—Southern Apolacon Township, northwestern Susquehanna County, on tributary of North Branch Wyalusing Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Drainage Area—Approximately 0.5 square mile.

Elevation—1447 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Shape—Triangular, irregular; maximum length 2,175 feet; maximum width 1,340 feet.

Area—42.5 acres.

Capacity—446 acre-feet or 145,000,000 gallons.

Depth—Prevailing 14 feet; maximum 23 feet.

Dam—None.

Topography—Surrounding ground mostly low, reaching maximum height on one side of approximately 60 feet; 90% covered with second growth timber, 10% cultivated. One summer cottage near lake 10 feet above water surface.

Inlet—Fed by springs.

Outlet—Tributary of North Branch Wyalusing Creek, about 10 feet wide, 1 foot deep, flowing through clean channel.

Utilization—Private ice supply and private summer camp for girls.

Navigation—Rowboats.

Opportunity for Storage—None; low country on north and west sides.

Ownership—Mrs. R. S. Newhall claims control.

YANDUS POND

Location—South central Liberty Township, south central Tioga County, on Blacks Creek, Middle West Branch Susquehanna Sub-basin.

Area—Approximately 6 acres.

YOUNGS POND

Location—Western Dimock Township, southwestern Susquehanna County, on branch of Meshoppen Creek, Upper North Branch Susquehanna Sub-basin.

Type—Natural.

Elevation—1327 (Bar.) referred to State Highway Department levels from U. S. G. S. datum.

Area—17.3 acres.

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Commonwealth of Pennsylvania

WATER SUPPLY COMMISSION OF PENNSYLVANIA

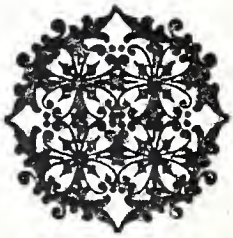
Water Resources Inventory Report

PART V

PRECIPITATION

ACT OF JULY 25, 1913

HARRISBURG, PA.
WM. STANLEY RAY, STATE PRINTER
1916



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LETTER OF TRANSMITTAL

Office of the Water Supply Commission,

Harrisburg, September 20, 1916.

His Excellency, the Governor of the Commonwealth of Pennsylvania:

The Members of the Senate and the House of Representatives of the Commonwealth of Pennsylvania:

Gentlemen:

The Water Supply Commission of Pennsylvania respectfully submits herewith Part V of the Water Resources Inventory Report, entitled "Precipitation," which contains information relating to every known precipitation station in Pennsylvania.

THE WATER SUPPLY COMMISSION OF PENNSYLVANIA,
THOMAS J. LYNCH,
Secretary.

PART V

PRECIPITATION

INTRODUCTION

Precipitation data are valuable in investigating water resources and their utilization, and where direct measurements of flow are lacking, precipitation records furnish an alternative basis for estimating stream discharges. In the arid and semi-arid regions of the United States, and especially where the unevaporated rainfall goes chiefly to underground reservoirs, it is difficult to trace relationships between precipitation and run-off; but climatic conditions in Pennsylvania permit practical use of precipitation records.

Such information is of value in studies of water supply, which include the dependable minimum flow of water and the possibilities of supplementing the low discharge with stored water. It affords data for determining the necessary dimensions of spillways and of capacities of storage dams and the quantity and distribution of water available for power development. The study of the frequency and magnitude of floods is largely based upon precipitation data, and the regulation and improvement of navigation is also related to it. In fact, few utilizations of water resources can be intelligently effected without reference, direct or otherwise, to precipitation data.

Much has been done in recent years in the establishment of both stream gaging and precipitation stations in this state, and a large amount of information is being obtained. Of the 154 precipitation stations now maintained in Pennsylvania, 29 have records extending over 30 years or more, while 57 stations have records covering 25 years or more; whereas the record of only 3 of the 94 stream gaging stations in the state extend over 25 years. Three gaging stations, now discontinued, also have records extending over 25 years. Of the two classes of data the precipitation records are not only more numerous but they also cover longer periods. The importance of stream gaging has not been appreciated until recent years, and was publicly

instituted in 1893*, when the United States Geological Survey undertook it systematically. Gage heights were previously observed in a few cases in the interest of navigation and in flood prediction, and it has been possible sometimes to correlate records of this class with recent discharge measurements, and thus obtain extended records of value.

The disposition of precipitation embraces:

1. *EVAPORATION* from the water and soil areas, from artificial surfaces and from vegetation.

2. *TRANSPIRATION,* the passage of water from the roots to the stems and foliage of plants and thence to the atmosphere; including the comparatively small amount taken up to become part of the vegetable structure.

3. *SURFACE RUN-OFF* which passes over the surface into streams without entering the soil.

4. *SEEPAGE RUN-OFF,* that portion sinking into the earth and later reappearing at lower elevations. This water escapes from the drainage basin through the stream channels.

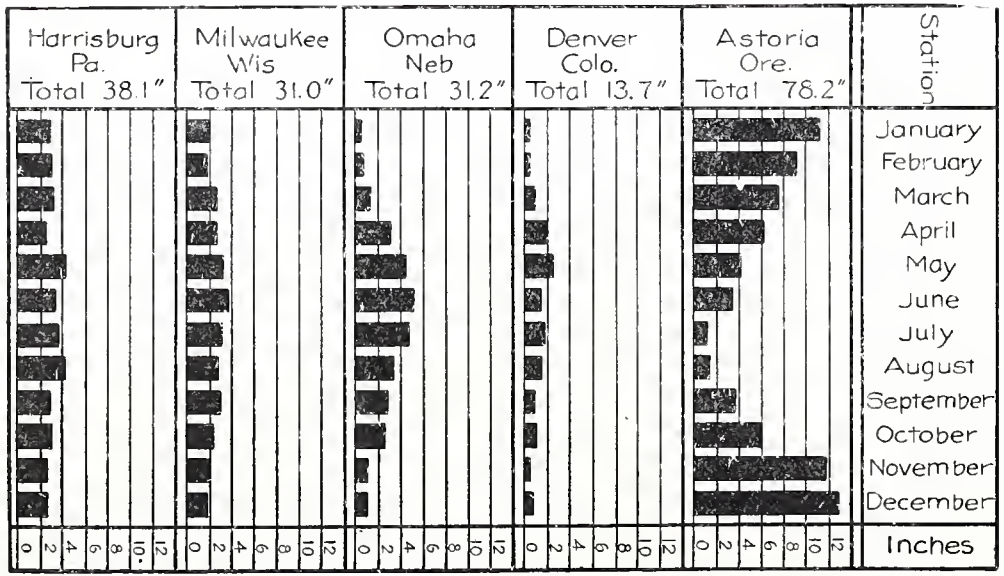
5. *DEEP SEEPAGE* which sinks into the soil and rock to such depths that it may not reappear later on the surface of the same drainage basin.

The proportionate influence of these factors depends upon—the amount and intensity of the precipitation; the topography, geology and location of the drainage area; the season; the temperature; quantity and character of previous precipitations and temperatures; condition of the soil and of the vegetation; quantity of snow on the ground and its water content; the amount and character of natural and artificial storage; type of stream beds; proportion of sunshine; humidity of the air; the direction and nature of winds, and other influences which must all be considered in computing run-off from precipitation data. The relation of run-off to rainfall is complicated, but the irregularities are understood when the relative values of the different factors are recognized. In general, the water falling upon a watershed reaches the streams except as disposed of by evaporation, transpiration and deep seepage; but calculation of the run-off from precipitations is so variable a problem that generalizations are questionable.

A special problem of run-off is presented in the forecasting of floods, and rainfall affords the earliest presentment of their imminence; so that reports from precipitation stations has enabled ap-

*Several years previous to this discharge measurements had been made by the United States Geological Survey in connection with irrigation studies in the west.

FIGURE I



Distribution of Rainfall at Various Points throughout the United States

proximate gage heights at important centers to be predicted in sufficient time to minimize damage, this alone offering sufficient justification for maintaining systems of precipitation stations.

Precipitation records are not precise scientific data and are subject to many inaccuracies. Aside from personal errors in observing and recording, failure to secure proper exposure of the rain gage is a prolific source of error. Proximity to buildings, fences and trees, which deflect the air currents during a rainstorm, constitutes a common defect, and gages too near the surface receive splashings during hard rains. Rain gages are unsuited for reckoning snowfall, which must be measured by depth on an area unaffected by wind and by radiation, and the water content determined. The number of stations is generally insufficient to give definite indications for a particular watershed, while necessary reliance upon voluntary observers has resulted in locations not thoroughly representative. The majority of rain gages are in or near towns, in valleys, and in improved localities. Information from highlands and unsettled localities is therefore meagre, and the precipitation upon such districts is often materially different than upon the lowlands. Short time records may be misleading, for the occurrence of local rains often gives a distorted record, but irregularities from this source are reduced as the length of record increases.

It is therefore important to increase the number of stations, to improve their selection, and, where possible, to secure more competent observers. It is especially desirable to establish stations in outlying districts and on higher ground. Advantageous locations are on the divides between drainage areas, as the record thus contributes to the study of each basin. Where practicable, it is desirable to eliminate human fallibility by installing automatic recording gages which will also furnish valuable data upon the rates of intensity of rainfall. Such information is for many purposes more important than total precipitation, but is at present all too meagre. The catchment area of a rain gage is so minute compared to even a small drainage area, and the irregularities of quantity, rate, distribution and extent of precipitation so marked, that each additional measuring station is of material advantage.

DISTRIBUTION OF RAINFALL

There are wide differences in the annual rainfall in various parts of the United States. In western Washington and Oregon the average annual precipitation varies between 70 and 125

inches; while at Yuma, Arizona, the mean for 35 years is 3.1 inches. Pueblo, Colorado, has an annual rate of about 12 inches; while that at Mobile, Ala., is at the rate of 62 inches. The mean annual rate of the country as a whole was determined in 1908 for the United States Conservation Commission as 29.4 inches.

The average annual precipitation for Pennsylvania, determined in 1908, was 41.7 inches, compared with 47.7 inches for New Jersey; 44.0 inches for Maryland; 42.5 inches for West Virginia; 38.4 inches for Ohio, and a range of 27 to 48.5 inches for New York. The precipitation for Pennsylvania, as well as of its neighboring states, is high when compared with the country as a whole. This is because the east and west boundaries are contiguous to the ocean and the Great Lakes, also the state lies in the path of cyclonic storms from these regions and from the south, while many thunderstorms produce high total of rain for the hot season.

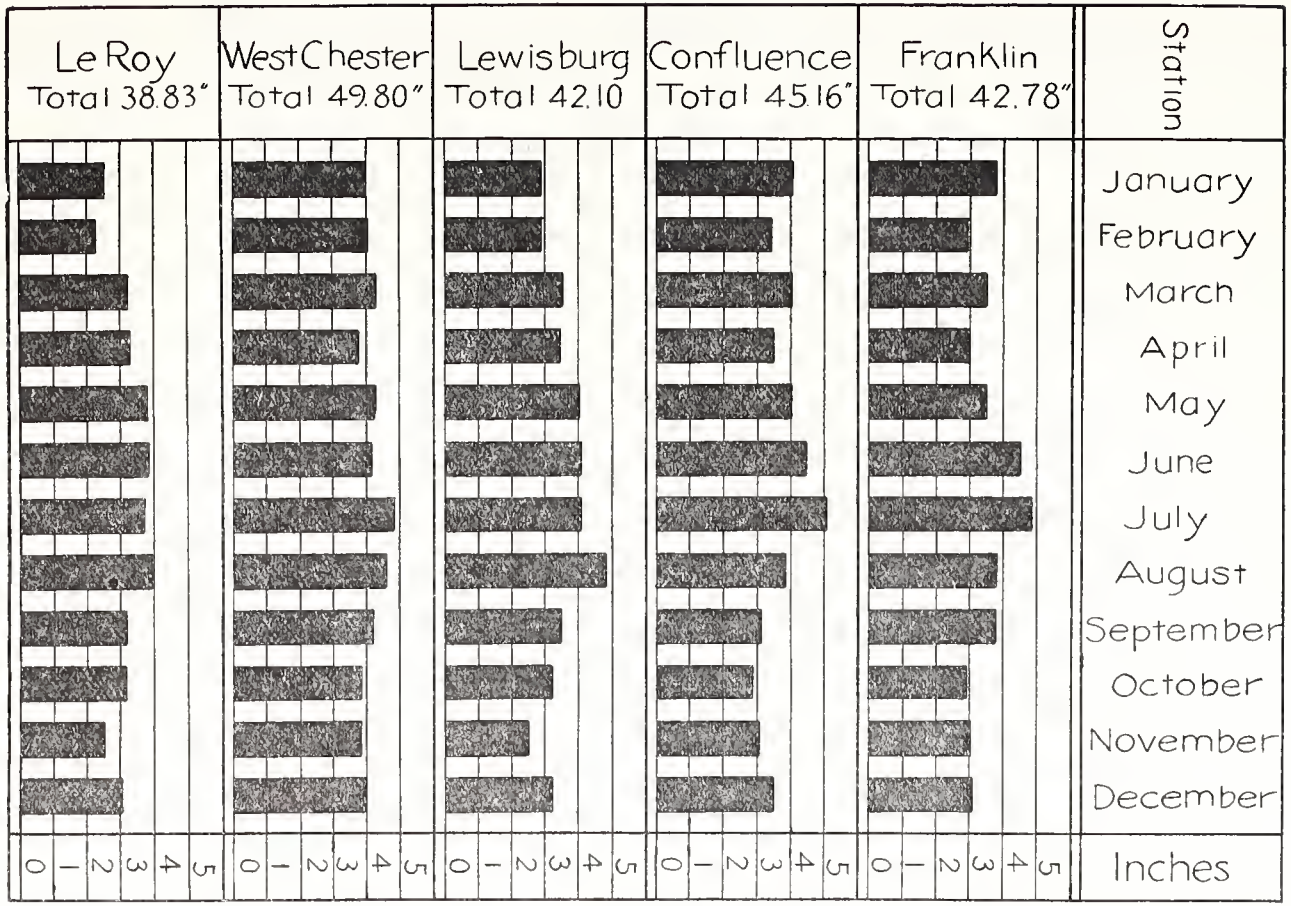
Of equal interest is the seasonal distribution of precipitation, i. e., the manner in which it varies throughout the year. Without analyzing the causes of difference, reference is made to Figure I, which shows typical distribution in various parts of the country. The precipitation in Pennsylvania, as represented in a general way by Harrisburg, is remarkably uniform in its average distribution through the year; although individual records show wide variations from the monthly normals. Less irregularity is exhibited in run-off, due chiefly to high evaporation and absorption by vegetation during the warm season and to gradual melting of snows. Figure II shows the even average seasonal distribution of precipitation at several locations in Pennsylvania.

The geographical distribution of rainfall over Pennsylvania is shown graphically on Figure III, the data for which are given in Table V. This map shows zones bounded by isohyetals plotted with reference to the recorded annual means of the stations. In the thickly settled portions, where stations are comparatively numerous, the isohyetals are believed to be fairly accurate, but over the northern and central regions of the state, the map is less reliable.

The map shows the prevalence of an annual rate of 40 to 45 inches for about one-half of the state. A lower rate is observed in the northern central counties, in the Pittsburgh district, along Lake Erie, in a portion of Center and Blair counties, and the Cumberland Valley; while a higher rate is found in the central portion of the eastern section, and in Cambria, Somerset and adjoining counties.

The influence of topography and geographical position is marked in the above distribution. In general it may be said that precipitation from moisture laden winds increases as they rise along a moun-

FIGURE II

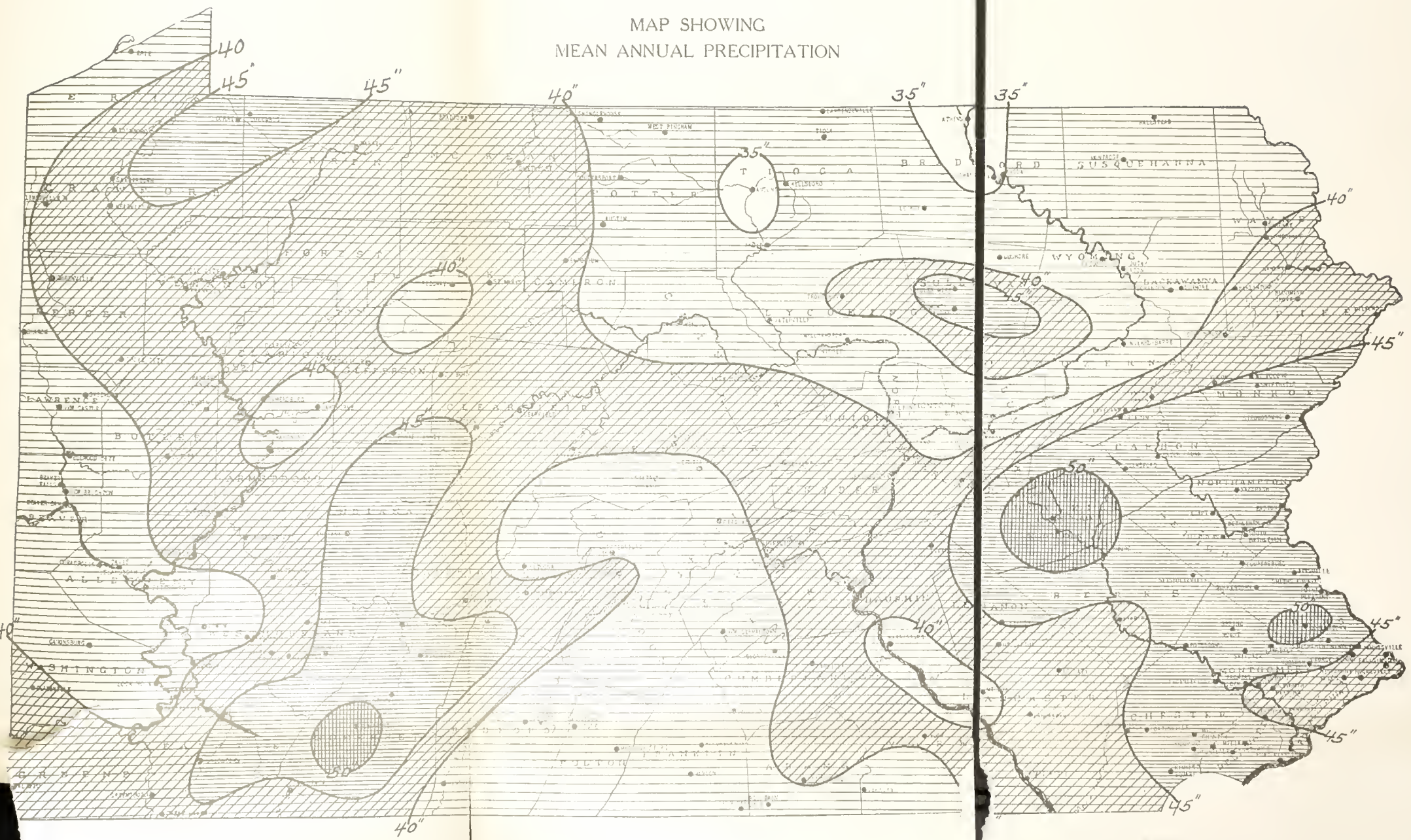


Distribution of Rainfall at Various Points in Pennsylvania

FIGURE III

WATER SUPPLY COMMISSION OF PENNSYLVANIA

MAP SHOWING
MEAN ANNUAL PRECIPITATION



Prepared by Geo. S. Bliss, Section Director, U. S. Weather Bureau, Philadelphia.

tain slope, with a corresponding decrease when they pass down the opposite slope after crossing the divide. This is well illustrated in the eastern half of Pennsylvania, where the precipitation from east and southeast winds increases to a maximum over the headwaters of the Schuylkill, while on the north side of the range there is a marked decrease.

The indicated deficiency in the lower Susquehanna Valley probably does not exist in reality, but rather is due to the conditions under which the precipitation records were made.

In the western half of the state the problem is more complex, but when it is remembered that the winds from the Lake region are mostly descending currents from out of areas of high barometer, it will readily be understood why they carry less moisture than the west and southwest winds from the drier region of the great central valleys. The precipitation from the west and southwest winds increases to a maximum in Somerset and southern Cambria counties, and decreases on the eastern side of the ridge in Bedford and Huntingdon counties. The small areas of maximum and minimum precipitation in the northwestern quadrant of the state can be partly accounted for by the topography, but may not exist to such a marked extent as is indicated by the available records for those sections.

The seasonal distribution of precipitation is highly favorable, as compared with some of the other states, and the records show a remarkable uniformity from year to year.

This uniformity is chiefly responsible for the small development of irrigation in Pennsylvania, where such use of water is restricted to occasional small scale operations. There is, however, sentiment in favor of irrigation methods to prevent the effects of occasional droughts, and even under normal conditions, the application of stored water to the crops in the growing season would augment the yield. This question offers a fruitful field for investigation.

EXCESSIVE PRECIPITATION

Excessive precipitation may occur either as a prolonged period at moderate rates, or in the form of torrential rains, commonly known as "cloudbursts."

The first condition occurs most frequently during the warm season, from April to November inclusive, as the moisture capacity of the atmosphere is greatly reduced by the low temperatures of winter.

However, March is quite prolific of such rains, and while the actual amounts of rainfall are usually less than those of the warmer months, the effects are often more disastrous on account of the supplementary effect of melting snows. The continuity of these rains is sometimes caused by the passage in rapid succession of several cyclonic disturbances, and sometimes by the stagnation of a disturbance, and especially one of a long or troughlike formation. The great Ohio floods of March 1913 were caused by the latter condition, and the excessive rains covered the greater portion of the state. In this type the excessive rains usually cover a considerable area.

"Cloudbursts" are more or less local in extent and are generally accompanied by severe thunderstorms or tornadoes. They may last a few minutes or a few hours, but their character precludes their continuance over an extended period.

Data for the first type are practically complete in the daily precipitation records, but for the second type they are meagre owing to the fact that observers so often fail to record the exact duration of the storm, and to the further fact that automatic recording rain gages are necessary to procure the progressive rate of the rainfall.

Public attention is called to the importance of securing the rate of rainfall when these storms occur, and of reporting it to the office of the Commission, which is collecting all available data. Existing records afford some striking examples of high precipitation, both over long and short periods.

The great floods of 1889 and 1894 were produced by heavy general rainfall which was measured at a number of stations. The precipitation at these points is shown in Tables I and II, the maximum amount for 24 hours being given. The heavy rainfall extended over large areas of the state, and produced phenomenal rises in the streams. The recorded rainfall of the 1889 flood varied from 3.03 to 8.37 inches in 24 hours at 21 stations located in 17 counties, and in 1894 amounts varying from 3.00 to 9.03 inches were reported from 29 stations in 17 counties. The relation of the rainfall to these floods is discussed in Part VIII on Floods, and these data are submitted here merely in illustration of the type of precipitation.

TABLE I. *Flood of 1889—Maximum Rainfall in 24 Hours*

Station.	County.	Date.	Rainfall.
			Inches.
Altoona,	Blair,	May 31,	3.03
Blue Knob,	Blair,	May 30-31,	7.90
Charlesville,	Bedford,	May 31,	6.71
Coudersport,	Potter,	May 31,	5.40
Eagles Mere,	Sullivan,	May 31,	5.17
Emporium,	Cameron,	May 31,	5.85
Girardville,	Schuylkill,	June 1,	3.05
Grampian,	Clearfield,	May 31,	8.37
Harrisburg,	Dauphin,	May 31,	6.16
Hollidaysburg,	Blair,	May 31,	5.12
Huntingdon,	Huntingdon,	May 31,	4.22
Kilmer,	Juniata,	May 30-31,	5.81
McConnellsburg,	Fulton,	May 31,	7.08
New Bloomfield,	Perry,	May 31,	3.70
Petersburg,	Huntingdon,	May 31,	6.60
Philipsburg,	Center,	June 1,	3.26
Selinsgrove,	Snyder,	May 31,	6.00
Smethport,	McKean,	May 31,	5.50
Somerset,	Somerset,	May 31,	4.43
Tipton,	Blair,	May 31,	3.35
Wellsboro,	Tioga,	June 1,	7.45

Note.—Only totals above 3 inches are included.

TABLE II. *Flood of 1894—Maximum Rainfall in 24 Hours*

Station.	County.	Date.	Rainfall.
			Inches.
Altoona,	Blair,	May 20,	3.64
Brower's Lock,	Montgomery,	May 21,	4.42
Cassandra,	Cambria,	May 19,	3.00
		May 21,	4.13
Coopersburg,	Lehigh,	May 20-21,	7.12
Doylestown,	Bucks,	May 21,	3.97
East Mauch Chunk,	Carbon,	May 20-21,	8.66
Forks of Neshaminy,	Bucks,	May 21,	5.41
Girardville,	Schuylkill,	May 20-21,	5.76
Grampian,	Clearfield,	May 19,	3.14
Hamburg,	Berks,	May 20-21,	5.07
Hollidaysburg,	Blair,	May 19,	3.00
Kennett Square,	Chester,	May 20-21,	7.30
Lansdale,	Montgomery,	May 20-21,	7.40
Lebanon,	Lebanon,	May 20-21,	4.64
Ottsville,	Bucks,	May 21,	5.48
Philadelphia,	Philadelphia,	May 20-21,	4.53
Phoenixville,	Chester,	May 21,	4.43
Point Pleasant,	Bucks,	May 21,	4.85
Quakertown,	Bucks,	May 20-21,	5.94
Reading,	Berks,	May 20-21,	7.85
Seisholtzville,	Berks,	May 20-21,	7.39
Selinsgrove,	Snyder,	May 20-21,	3.39
Smethport,	McKean,	May 18,	3.25
Smiths Corners,	Bucks,	May 21,	5.64
Somerset,	Somerset,	May 18-19,	6.90
Warren,	Warren,	May 17,	3.20
Wellsboro,	Tioga,	May 18,	3.13
West Chester,	Chester,	May 20-21,	9.03
Westtown,	Chester,	May 20-21,	7.87

Note.—Only totals above 3 inches are included.

Torrential rains are distinguished by high intensity and short duration, and are most satisfactorily measured by automatic recording gages, of which there are unfortunately only six in service in the state, viz.: at Philadelphia, Scranton, Harrisburg, Reading, Pittsburgh and Erie. The Weather Bureau publishes rates of rainfall at these stations which exceed 0.25 inch in any five minutes and 0.80 inch in one hour. Such rates occur sometimes during general storms as well as in torrential rains.

The records of the Weather Bureau have been examined to determine the frequency with which various rates have occurred at these stations, and Table III has been prepared to show the number of times that a given rate of rainfall has occurred or has been exceeded within the period 1903 to 1915 inclusive. For instance, at Philadelphia there were 23 intervals of ten minutes in each of which 0.50 inch or more rain fell, although in several cases two such intervals were in the same storm. High intensities were more prevalent at Philadelphia than at the other stations. The heaviest rate is also reported from Philadelphia, on August 3, 1898, when 0.60 inch fell in 5 minutes, 2.06 inches in 30 minutes, 3.58 inches in one hour and 5.48 inches in 2 hours.

Among recent severe storms recorded are 7.50 inches in 3 hours, 50 minutes at Stroudsburg on August 1, 1913, 7.42 inches of which fell in 3 hours and 20 minutes, and 5.00 inches in 2 hours at Lebanon on July 10, 1914. There is also record of an unusual rain in Philadelphia on September 12, 1862, which was measured at three locations in the city, showing 3.60, 6.00 and 9.00 inches in less than 5 hours, between 6 and 11 p. m. The records of the U. S. Signal Service note the most severe downpour measured in the state, on August 5, 1843, when Brandywine Hundred received 10 inches in 2 hours, Concord had 16 inches in 3 hours, and at Newtown there fell 13 inches in 3 hours, of which 5.5 inches occurred in 40 minutes.

Inspection of the excessive precipitation records shows that nearly all the heavy rates occur between May and October inclusive. Moreover, the maximum monthly aggregates, as shown in Table V, are also in the summer and autumn months. The predominance of high intensities and maximum monthly totals in this season is directly traceable to the greater moisture capacity of the air in warm weather, which produces many electrical storms, especially heat thunderstorms, as well as heavy condensation when cooler air strata are admixed.

TABLE III. *Frequency of Excessive Rates of Rainfall at Weather Bureau Automatic Gages (January 1903 to December 1915)*

Rate.	Philadelphia.	Scranton.	Harrisburg.	*Reading.	Pittsburgh.	Erie.
0.5 inch in 10 min.,	23	9	12	4	8	8
1 inch in 20 min.,	17	.....	2	.....	2	2
1 inch in 30 min.,	15	4	9	.....	4	4
2 inches in 30 min.,	1	.....	1	.....	.....	.....
1 inch in 1 hr.,	18	10	16	5	7	11
2 inches in 1 hr.,	2	1	2	.....	.....	.....

*Reading record began December 1, 1912.

DEFICIENT PRECIPITATION

Authentic records of droughts are scarce and conflicting, the principal reason being that the beginning of the period is not well marked and it is viewed from the effect upon vegetation and water yield. The Water Supply Commission has been obtaining data upon droughts and is continuing this work, the subject being discussed in the Annual Report of the Commission for 1908.

Noteworthy droughts visited this state in the years 1876, 1881, 1887, 1895, 1900, 1904, 1908, 1909 and 1914, and each was accompanied by loss and inconvenience to the population and to industry over most of the state, while stream flow became restricted and water supplies diminished. It may seem that droughts are increasing in frequency, but increased development and congestion of population make the deficiencies more widely felt.

Droughts usually occur during the summer and fall when high temperatures and evaporation increase desiccation, and when little of the rainfall enters into the ground. In this state they reach their most acute stage in autumn when precipitation deficiencies continue until the ground and stored waters have been drawn upon.

PRECIPITATION RECORDS IN PENNSYLVANIA

The earliest available rainfall records in Pennsylvania were taken in 1798, but the first general series was begun in 1887 under direction of the Franklin Institute, by authority of the Pennsylvania Legislature, which made appropriations for the exepenses, the United States Weather Bureau detailing officers to assist in the work. Under the Act of 1889, the State Department of Internal Affairs commissioned the local observers and paid the bills certified by the Franklin Institute. The report of the Secretary of Internal Affairs for 1895 published the climatological data for Pennsylvania to that date. The work has since been conducted chiefly by the United States Weather Bureau; the endeavor being to locate and maintain an observation station in each county. This has not been possible, as the observers are voluntary, and not all can be depended upon to keep accurate and continuous records. The Philadelphia Bureau of Water maintained a number of rain gages in the valleys of the Delaware and Schuylkill rivers, some of the records covering over 25

years. Other records have been kept by the United States Army Engineer Corps, municipal water departments, private water companies, canal companies, educational institutions, hospitals and individuals. Twenty stations have recently been established by the Water Supply Commission, some for the study of local problems, while others add to the knowledge of general conditions over the state. Three of these stations were discontinued in August 1915.

As far as possible all records have been collected by this Commission for study and comparison and those which seem trustworthy and of value are presented herewith. Out of a total of 364 different records obtained, 97 have been discarded as of doubtful value or of too short duration. Many records, though taken at important points, were so fragmentary as to render them comparatively valueless, while records at points of far less importance in determining the water supply have been maintained for many years. Such conditions naturally exist under the present system of employing voluntary observers and a station of great value is liable at any time to be discontinued for similar reasons.

CHARACTER OF PENNSYLVANIA RECORDS

As to the reliability of rainfall records, a quotation is presented from a paper entitled "The Mean or Average Annual Rainfall and the Fluctuations to Which it is Subjected."* Based upon the assumption that care has been exercised in taking the records, "any good record of 35 years and upwards may be accepted within limits, and a record of 50 years is nearly as good as that of a longer period," also, "the conclusion may be drawn that dependence can be placed on any good record of 35 years duration, to give the mean rainfall correct within 2 per cent of the truth; and that for shorter periods of 5, 10 or 15 years, the probable extreme deviation from the mean would be 15, 8.25 and 4.75 per cent respectively." This is a general conclusion made two decades ago, since which time more long time records have become available. The ratios given will be modified by geographical location and the character and extent of climatic cycles included in the period; they offer, however, a typical index. More than a score of Pennsylvania records cover 30 years and over, giving considerable first class data.

*Alexander R. Binnie (Proceedings for 1896 of the Institute of Civil Engineers, London, Vol. 109, p. 89.)

Heretofore, precipitation stations in this state have not been located as a basis for the determination of stream flow, for the Franklin Institute and the United States Weather Bureau have employed a geographical basis for agricultural and general scientific purposes. Individual and local problems have been responsible for the measurement of rainfall at certain points to determine run-off, such as the water supply problem of Philadelphia and other cities, but this method has never been applied to the state as a whole.

TABLES OF PRECIPITATION

Two tables are presented summarizing the precipitation data in Pennsylvania. In Table IV all the stations of which the Commission has any record are listed, together with the elevation of the station, when known, and the length of record. Table V gives the monthly and annual precipitation at all stations whose records are deemed to be valuable. These records are given to the end of 1915, and have been furnished through the courtesy of the United States Weather Bureau, unless otherwise noted. The mean annual precipitation given at any station is the sum of the monthly means in every case. Where a letter is given before any monthly figure, it denotes the number of days missing in that month; i. e. a-1 day, b-2 days, c-3 days, etc. In both tables the stations are classified alphabetically.

TABLE IV. *Rainfall Stations in Pennsylvania.*

(Stations in italics not considered reliable, but are on file in the office of the Commission)

Station.	County.	Elevation above mean sea level.	Term of Record.
		Feet.	
Aleppo,	Greene,	.....	Dec. 1900-Dec. 1915.
Allegheny City.	*Allegheny,*	.....	*Dec. 1871-Aug. 1873.*
Allentown,	Lehigh,	.....	Dec. 1911-Dec. 1915.
Altoona,	Blair,	.....	Oct. 1884-Dec. 1915. (Portion of early record incomplete).
Ansonia,	Tioga,	.....	Oct. 1908-Dec. 1915.
Aqueduct (Logania),	Perry,	361	Feb. 1889-April 1900; June 1902.
Ashland,	*Schuylkill,*	*1,005*	*Feb. 1870-May 1870.*

TABLE IV. *Rainfall Stations in Pennsylvania—Continued*

Station.	County.	Elevation above mean sea level.	Term of Record.
		Feet.	
Athens,	Bradford,	768	March 1898-Feb. 1904.
Austin,	Potter,	.....	July 1910-April 1911; Oct. 1912-Dec. 1915.
Avondell,	*Perry,*	*515*	*June 1867-April 1869.*
Baldwin,	Butler,	.....	Feb. 1906-Dec. 1915.
Bear Gap,	Northumberland,	.....	Jan. 1898-Dec. 1915.
Beaver,	*Beaver,*	.....	*Aug. 1888-Oct. 1888.*
Beaver Dam,	Beaver,	.....	July 1893-Dec. 1915.
Beaver Falls,	Beaver,	.....	Nov. 1908-Dec. 1915.
Beaver Seminary,	*Beaver,*	.....	*April 1840-Aug. 1841; Oct. 1867-Dec. 1870. (Record incomplete).*
Bedford,	*Bedford,*	.....	*Jan. 1853-Dec. 1861; Jan. 1877-Feb. 1877. (Record incomplete).*
Bellefonte,	Center,	.....	Oct. 1900-April 1912; Oct. 1915-Dec. 1915.
Bernice,	*Sullivan,*	.....	*June 1888-Sept. 1888.*
Berwick,	*Columbia,*	*583*	*June 1859-Jan. 1865. (Record incomplete).*
Bethlehem,	Northampton,	1,200	July 1877-Aug. 1903; Feb. 1910-Dec. 1915. (Portion of record incomplete).
Blooming Grove,	Pike,	1,000	May 1865-Sept. 1897.
Bloomsburg,	Columbia,	.....	Dec. 1892-Aug. 1894.
Bloserville,	Cumberland,	.....	Jan. 1912-Dec. 1915.
Blue Knob,	Blair,	2,500	April 1889-Dec. 1894.
Boothwyn,	*Delaware,*	.....	*June 1891.*
Bradford,	McKean,	.....	Jan. 1910-June 1911.
Brookville,	Jefferson,	.....	Jan. 1885-March 1906; Nov. 1910-Dec. 1915. (Portion of 1888 and 1914 incomplete).
Browers Lock,	Montgomery,	.....	Jan. 1880-Dec. 1915.
Brownsville,	*Fayette,*	.....	*Jan. 1870-March 1870; April 1873-Nov. 1885. (Record incomplete).*
Bustleton,	*Philadelphia,*	.....	*Jan. 1854.*
Butler,	Butler,	.....	Feb. 1899-Oct. 1901; Jan. 1903-Dec. 1903.
Byberry,	*Philadelphia,*	*70*	*Jan. 1854-Nov. 1854; April 1858; Jan. 1860-Dec. 1863. (Early record incomplete).*
California,	Washington,	.....	Oct. 1901-Dec. 1915. (Record incomplete).
Cameron,	Cameron,	964	Jan. 1896-April 1899.
Camp Cadwallader,	*Fayette,*	.....	*Dec. 1865.*
Canonsburg,	Washington,	936	March 1840-Oct. 1840; April 1844-March 1845; Jan. 1856-Dec. 1859; Jan. 1861-June 1878; Aug. 1889-Nov. 1890. (Portion of record incomplete).
Carlisle Barracks,	*Cumberland,*	*500*	*April 1848-Dec. 1876. (Portion of record incomplete).*
Carlisle,	Cumberland,	480	Jan. 1839-Dec. 1841; Dec. 1855-Sept. 1859; Dec. 1868-Nov. 1878; Jan. 1888-April 1901. (Early record incomplete).
Carpenters,	*Lycoming,*	.....	*Aug. 1862-Sept. 1862.*
Cassandra,	Cambria,	.....	April 1894-Dec. 1907.
Catawissa,	Columbia,	.....	March 1878-Jan. 1891; July 1909-Dec. 1915.
Cease Mills,	Luzerne,	1,052	Jan. 1910-Dec. 1915.
Cedar Run,	Lycoming,	760	Jan. 1896-May 1900.
Center Hall,	Center,	.....	Jan. 1895-Dec. 1915.
Center Valley,	*Lehigh,*	.....	*Oct. 1889-April 1890.*
Ceres,	*McKean,*	*1,440*	*Jan. 1854-March 1854.*
Chambersburg,	Franklin,	.....	Feb. 1860-April 1862; May 1875-Dec. 1885; Nov. 1887-Feb. 1891; March 1895-April 1901; Sept. 1914-Dec. 1915. (Record incomplete).
Charlesville,	Bedford,	.....	Jan. 1888-Sept. 1891.

TABLE IV. *Rainfall Stations in Pennsylvania—Continued*

Station.	County.	Elevation above mean sea level.	Term of Record.
		Feet.	
Cheat Haven,	Fayette,	.....	Dec. 1912-March 1915.
Chester,	*Delaware,*	.....	*Dec. 1863-April 1864.*
Chromedale,	Delaware,	190	Dec. 1848-March 1858; Sept. 1858-Jan. 1859.
Claridge,	Westmoreland,	1,080	Aug. 1914-Aug. 1915.
Clarion,	Clarion,	.....	Jan. 1888-Nov. 1895; Nov. 1901-Dec. 1915. (1888 and 1909 incomplete).
Claysville,	Washington,	.....	April 1904-Dec. 1915.
Clearfield,	Clearfield,	.....	Jan. 1905-Dec. 1915.
Cloe,	Jefferson,	1,415	Dec. 1913-Dec. 1915.
Coatesville,	Chester,	.....	March 1888-Dec. 1915.
Coke Plant, Cambria Steel Co.,	Cambria,	.....	See Franklin, Cambria Co.
Columbus,	Warren,	.....	See Corry.
Confluence,	Somerset,	1,332	Jan. 1875-Dec. 1915.
Coopersburg,	Lehigh,	.....	Dec. 1889-Dec. 1900.
Coraopolis,	Allegheny,	720	Jan. 1907-Dec. 1915. (1907 incomplete).
Corry,	Erie,	.....	Jan. 1886-June 1893; Nov. 1915-Dec. 1915.
Coudersport,	Potter,	.....	June 1888-March 1890; March 1903-Sept. 1905. (Record incomplete).
Creekside,	Indiana,	1,105	Dec. 1913-Dec. 1915.
Cresson,	Cambria,	2,215	Nov. 1913-Dec. 1915.
Danville,	*Montour,*	.....	*Feb. and Oct. 1839.*
Davis Island Dam,	Allegheny,	720	Jan. 1891-Dec. 1915.
Derry Station,	Westmoreland,	.....	Oct. 1896-Dec. 1915.
Dillingersville,	*Lehigh,*	.....	*Jan. 1886.*
Doylestown,	Bucks,	.....	Jan. 1889-Dec. 1899; Jan. 1901-Dec. 1915. (1899 and 1914 incomplete).
Drifton,	Luzerne,	.....	Jan. 1884-Sept. 1898; Jan. 1901-July 1902; Jan. 1907-Dec. 1915. (Record incomplete).
Driftwood,	Cameron,	816	Jan. 1896-Dec. 1902.
DuBois,	Clearfield,	.....	Dec. 1890-Sept. 1897.
Dunbar,	*Fayette,*	.....	*Jan. 1874-July 1875.*
Duncannon,	Perry,	.....	May 1895-Aug. 1902.
Dunmore,	*Lackawanna,*	.....	*Jan. 1897-July 1897.*
Dushore,	Sullivan,	.....	Feb. 1897-Sept. 1909. (Portion of record incomplete).
Dyberry,	Wayne,	1,100	Jan. 1866-March 1903. (Record incomplete).
Eagles Mere,	Sullivan,	2,060	Jan. 1888-May 1891; Jan. 1892; Dec. 1913-Dec. 1915.
East Bloomsburg,	Columbia,	.....	Jan. 1896-Dec. 1904.
East Mauch Chunk,	Carbon,	550	See Mauch Chunk.
Easton,	Northampton,	325	Feb. 1856-Dec. 1859; Jan. 1883-Oct. 1909.
Eatonville,	*Wyoming,*	.....	*Jan. 1908-Sept. 1908.*
Ebensburg,	*Cambria,*	.....	*Feb. 1840-Dec. 1841. (Record incomplete).*
Edinboro,	Erie,	1,212	May 1913-Dec. 1915.
Egypt,	Lehigh,	450	See North Whitehall.
Ellwood City,	Lawrence,	.....	Feb. 1909-Dec. 1915.
Ellwood Junction,	Beaver,	.....	Jan. 1894-March 1908.
Emporium,	Cameron,	.....	March 1888-Dec. 1915.
Ephrata,	Lancaster,	.....	Nov. 1865-Feb. 1877; Sept. 1899-Dec. 1915. (Early record incomplete).
Erie,	Erie,	.....	June 1873-Dec. 1915.
Everett,	Bedford,	.....	June 1897-Dec. 1915.
Factoryville,	*Wyoming,*	.....	*April 1874-June 1874.*
Falls Creek,	Jefferson,	1,495	Nov. 1913-Dec. 1915.
Fallsington,	Bucks,	.....	Jan. 1883-Oct. 1887.
Farrandsville,	Clinton,	583	Jan. 1896-Nov. 1899.
Fayette Tannery,	*Fayette,*	*780*	*Jan. and Feb. 1867.*
Fleming,	Center,	780	Jan. 1859-June 1867.
Forks of Neshaminy,	Bucks,	.....	Sept. 1884-Dec. 1886; Jan. 1889-Dec. 1913.
Fort Mifflin,	Philadelphia,	20	Jan. 1843-Dec. 1844; Jan. 1849-Oct. 1853.
Fountain Dale,	Adams,	.....	May 1867-Sept. 1872. (Portion of record incomplete).
Four Mile Run,	*Cameron,*	.....	*Dec. 1874-Dec. 1876. (Record incomplete).*

TABLE IV. *Rainfall Stations in Pennsylvania—Continued*

Station.	County.	Elevation above mean sea level.	Term of Record.
		Feet.	
Franklin,	Cambria,	.....	Jan. 1908-Sept. 1911.
Franklin,	Venango,	980	Feb. 1840-Dec. 1841; Sept. 1868-Sept. 1890; Jan. 1897-Dec. 1915.
Frederick and Spring Mount,	Montgomery,	.....	Aug. 1883-Dec. 1886; Jan. 1889-Dec. 1899; Jan. 1901-Dec. 1913.
Freeland,	Luzerne,	.....	July 1914-Dec. 1915.
Freeport,	Armstrong,	.....	Aug. 1877-Dec. 1915. (1883 and 1888 incomplete).
Ganoga Lake,	Sullivan,	.....	May 1908-Dec. 1915.
George School,	Bucks,	190	Jan. 1907-Dec. 1915.
Germantown,	*Philadelphia,*	.....	*July 1819-Dec. 1827; July, Aug. and Oct. 1843; Jan. 1867-Dec. 1890. (Record incomplete. Portion of record contained in Philadelphia table).*
Gettysburg,	Adams,	.....	Jan. 1839-July 1863; July 1861-Feb. 1865; Aug. 1889-Sept. 1890; Jan. 1893-Feb. 1896; June 1903-Dec. 1915.
Girardville,	Schuylkill,	1,000	Jan. 1887-Dec. 1915.
Gordon,	Schuylkill,	.....	July 1903-Dec. 1915.
Gouldsboro,	Wayne,	.....	July 1914-Dec. 1915.
Grampian,	Clearfield,	1,400	July 1864-Nov. 1876; Oct. 1882-June 1905. (Portion of record incomplete).
Greencastle,	*Franklin,*	*650*	*July 1870-Sept. 1870; Aug. 1877-Aug. 1878; July 1880-Nov. 1880.*
Green Lane,	Montgomery,	.....	Aug. 1883-Dec. 1885.
Greensboro,	Greene,	.....	Jan. 1889-Dec. 1915.
Greensburg,	Westmoreland,	.....	April 1908-Dec. 1915.
Greenville,	Mercer,	1,725	Jan. 1888-June 1891; Jan. 1894-June 1895; March 1897-Oct 1898; Jan. 1903-Dec. 1915.
Grove City,	Mercer,	1,256	Jan. 1907-Dec. 1915.
Hadley,	Mercer,	1,050	Jan. 1914-Dec. 1915.
Hallstead,	*Susquehanna,*	.....	*Oct. 1896-Dec. 1897.*
Hamburg,	Berks,	.....	Sept. 1890-Dec. 1915.
Hamlinton,	Wayne,	1,100	April 1869-July 1874. (Portion of record incomplete).
Hamlinton,	Wayne,	1,575	May 1913-Dec. 1915.
Hanover,	York,	600	Jan. 1904-Dec. 1915.
Harrisburg,	Dauphin,	405	Aug. 1914-Dec. 1915.
Harrisburg,	Dauphin,	.....	Aug. 1840-Oct. 1841; April 1843-Dec. 1845; Jan. 1854-Sept. 1871. (Portion of record incomplete).
Harrisburg,	Dauphin,	.....	Jan. 1889; Dec. 1915.
Haverford,	*Delaware,*	*400*	*Jan. 1839-Dec. 1841; Jan. 1854-June 1863; Feb. 1883-June 1885. (Record incomplete).*
Hawley,	Wayne,	899	Nov. 1897-March 1900.
Hawthorne,	Clarion,	.....	Feb. 1899-Nov. 1903. (Portion of record incomplete).
Hazleton,	*Luzerne,*	*1,850*	*Jan. 1872; Jan. 1873; Jan. 1874-March 1877. (Record incomplete).*
Herrs Island Dam,	Allegheny,	.....	April 1898-Dec. 1915.
Hinckston Run Dam,	Cambria,	.....	See Johnstown (Hinckston Run Dam).
Hollidaysburg,	Blair,	947	Jan. 1888-Dec. 1898.
Holsopple,	Somerset,	.....	Jan. 1902-Dec. 1915.
Honesdale,	Wayne,	1,000	Jan. 1882-July 1897; Sept. 1914-Dec. 1915.
Horsham,	Montgomery,	.....	See Moreland.
Hulmeville,	*Bucks,*	.....	*July 1877-Dec. 1880; Sept. 1883-Aug. 1884; Feb. 1890; Sept. 1891-July 1892. (Record incomplete).*
Huntingdon,	Huntingdon,	.....	May 1895-Dec. 1904.
Huntingdon,	Huntingdon,	.....	Jan. 1888-Dec. 1915.
Huntsville Intake,	Luzerne,	810	See Trucksville.
Hyndman,	Bedford,	.....	Jan. 1906-Dec. 1915.

TABLE IV. *Rainfall Stations in Pennsylvania—Continued*

Station.	County.	Elevation above mean sea level.	Term of Record.
		Feet.	
Indiana,	Indiana,	.....	Jan. 1888-Oct. 1892; June 1896-Sept. 1898; Feb. 1903-Dec. 1915. (Portion of record incomplete).
Indian Creek Watershed,	*Westmoreland and Fayette,*	.....	*Aug. 1892-Dec. 1893.*
Irwin,	Westmoreland,	.....	Sept. 1896-Dec. 1915.
Johnstown,	Cambria,	.....	Feb. 1868-Nov. 1871; Jan. 1885-Dec. 1915.
Johnstown (Hinckston Run Dam),	Cambria,	.....	Jan. 1902-Dec. 1915.
Johnstown (Mill Creek Reservoir),	Cambria,	.....	Jan. 1902-Dec. 1915.
Kane,	McKean,	.....	Feb. 1892-March 1893; Jan. 1894-Sept. 1894.
Karthaus,	Clearfield,	.....	Jan. 1896-Dec. 1901. (Portion of record incomplete).
Keating,	Clinton,	1,870	Jan. 1896-Dec. 1903. (Portion of record incomplete).
Kennett Square,	Chester,	.....	Jan. 1854-Dec. 1873; May 1889-Dec. 1915. (1860 and 1889 incomplete).
Ketner,	Elk,	1,780	Dec. 1913-Dec. 1915.
Kilmer,	Juniata,	475	Feb. 1889-Dec. 1894.
Kinsman,	Trumbull, Ohio,	925	Jan. 1914-Dec. 1915.
Kutztown,	*Berks,*	.....	*June 1888-Oct. 1888.*
Laflin,	Luzerne,	966	Jan. 1908-Dec. 1911; Jan. 1915-Dec. 1915.
Lancaster,	Lancaster,	.....	Jan. 1888-May 1896; Jan. 1900-Dec. 1915. (Record incomplete).
Lancaster Colliery,	*Schuylkill,*	*920*	*Jan. 1856-Dec. 1856.*
Lansdale,	Montgomery,	.....	May 1884-Dec. 1886; Jan. 1889-Dec. 1913.
Lansford,	Carbon,	.....	May 1906-Dec. 1915.
Latrobe,	*Westmoreland,*	*569*	*May 1861.*
Lawrenceville,	Tioga,	.....	Jan. 1897-Dec. 1915. (Portion of record incomplete).
Lebanon,	Lebanon,	480	July 1828-Feb. 1872; Jan. 1883-Dec. 1886; Jan. 1888-Dec. 1915.
Leetsdale,	*Allegheny,*	.....	*April 1883-April 1885.*
LeRoy,	Bradford,	1,400	Jan. 1889-Dec. 1915.
Lewisburg,	Union,	457	Feb. 1856-Oct. 1860; Jan. 1865-Nov. 1873; Oct. 1889-Dec. 1915. (Portion of record incomplete).
Lewistown,	*Mifflin,*	.....	*Nov. 1889-July 1890.*
Ligonier,	Westmoreland,	1,750	April 1890-May 1894.
Linden,	*Lycoming,*	.....	*Dec. 1858-April 1859.*
Linesville,	Crawford,	1,110	March 1912-Dec. 1915.
Litchfield,	*Bradford,*	.....	*March 1879-June 1880.*
Lloyd,	Tioga,	2,180	Feb. 1911-Dec. 1915.
Lock Haven (a),	Clinton,	560	Jan. 1896-Dec. 1904.
Lock Haven (b),	Clinton,	560	March 1888-Dec. 1915.
Lock No. 4,	Washington,	.....	Jan. 1886-Dec. 1915.
Logania,	Perry,	361	See Aqueduct.
Lycippus,	Westmoreland,	1,420	Jan. 1892-Dec. 1915.
Lykens,	Dauphin,	.....	Oct. 1914-Dec. 1915.
Lynnport,	*Lehigh,*	.....	*Nov. 1889-Sept. 1890.*
McCall Ferry,	Lancaster,	.....	July 1914-Dec. 1915.
McConnellsburg,	Fulton,	875	Jan. 1888-July 1893.
Mahanoy Plane,	*Schuylkill,*	*1,132*	*Feb. 1885-Oct. 1886.*
Mahoning,	Armstrong,	.....	Dec. 1888-Oct. 1895.
Marion,	Franklin,	.....	June 1903-Dec. 1915.
Marshall's Creek,	.....	.....	*May 1889.*
Mauch Chunk or East Mauch Chunk,	Carbon,	550	Oct. 1889-Dec. 1915.
Media,	Delaware,	.....	Jan. 1915-Dec. 1915.
Meadville,	*Crowford,*	*1,077*	*Jan. 1839-Dec. 1841; May 1856-Sept. 1858; June 1881-March 1883; Oct. 1887-Jan 1894. (Record incomplete).*
Meshoppen,	*Wyoming,*	.....	*Feb. 1889-Dec. 1891. (Record incomplete).*
Mifflin,	Juniata,	490	May 1895-April 1905.
Mifflintown	Juniata,	445	June 1903-Dec. 1915.
Mill Creek Intake,	Luzerne,	906	See Laflin.
Mill Creek Reservoir,	Cambria,	.....	See Johnstown (Mill Creek Reservoir).

TABLE IV. *Rainfall Stations in Pennsylvania—Continued*

Station.	County.	Elevation above mean sea level.	Term of Record.
		Feet.	
Milford,	Pike,	455	Jan. 1903-Dec. 1915.
Millville Depot,	*Pike,*	*1,300*	*Dec. 1883-Feb. 1884.*
Milton,	Northumberland,	480	June 1879-May 1882.
Mineral Point,	Cambria,	.....	Jan. 1905-May 1912; March 1914-Dec. 1915.
Montrose,	Susquehanna,	.....	June 1888-Sept. 1888; Sept. 1903-Dec. 1915.
Moosic,	Lackawanna,	910	Jan. 1897-Dec. 1915.
Moreland and Horsham,	Montgomery,	.....	June 1864-Nov. 1873.
Morrisville,	Bucks,	34	Jan. 1825-Dec. 1846; Jan. 1850-Dec. 1852; Jan. 1854-March 1876; Oct. 1878-Oct. 1887.
Mosgrove,	Armstrong,	.....	Jan. 1913-Dec. 1915.
Moss Grove,	*Crawford,*	*1,400*	*Jan. 1854-Feb. 1857. (Record incomplete).*
Mountain House,	Fulton,	.....	March 1909-Dec. 1915.
Mount Gretna,	Lebanon,	.....	April 1910-Dec. 1915.
Mount Joy,	Lancaster,	.....	Aug. 1857-Dec. 1859; Jan. 1861-Oct. 1867; June 1872-Dec. 1873.
Mount Pisgah,	*Bradford,*	*2,500*	*June and August 1886.*
Mount Rock,	*Cumberland,*	.....	*Aug. 1871-April 1872; Jan. 1874-March 1875.*
Mt. Carmel,	Northumberland,	.....	July 1909-Dec. 1915.
Mt. Pocono,	Monroe,	.....	See Pocono Lake.
Muncy Valley,	Sullivan,	.....	Oct. 1909-Aug. 1911; Sept. 1913-Dec. 1915.
Murrysville,	*Westmoreland,*	*1,000*	*April 1857-March 1859; Jan. and July 1867; Jan. 1868-March 1868.*
Murrysville,	Westmoreland,	900	Aug. 1914-Aug. 1915.
Myerstown,	*Lebanon,*	.....	*May 1889-Dec. 1890.*
Nazareth,	Northampton,	530	Feb. 1856-July 1857; Sept. 1859-Nov. 1859; March 1861-May 1862. (Record incomplete).
Neshaminy,	Bucks,	.....	Jan. 1915-Dec. 1915.
New Bloomfield,	Perry,	400	Jan. 1888-April 1890.
New Castle,	Lawrence,	550	Jan. 1870-July 1882; Jan. 1888-April 1894; Jan. 1904-Dec. 1915. (Portion of record incomplete).
New Geneva,	Fayette,	.....	Aug. 1877-May 1888. (1883 incomplete).
New Germantown,	Perry,	.....	Aug. 1903-Oct. 1913.
Newtown,	Bucks,	.....	March 1839-June 1843.
Nisbet,	Lycoming,	.....	Feb. 1889-Dec. 1891; Jan. 1896-April 1896; Jan. 1899-May 1900.
No. 6 Reservoir,	Northumberland,	.....	See Mt. Carmel.
Norristown,	Montgomery,	.....	Jan. 1854-Dec. 1859; Jan. 1861-July 1863.
North Abington,	Luzerne,	1,183	April 1868-Dec. 1874.
North Shippen,	*Cameron,*	.....	*Dec. 1874.*
Northumberland,	Northumberland,	450	Jan. 1839-Dec. 1841.
North Whitehall and Egypt,	Lehigh,	400	Feb. 1874-April 1881.
Nyces,	Pike,	1,000	See Blooming Grove.
Oil City,	Venango,	.....	Jan. 1877-March 1883; Jan. 1887-March 1905.
Ottsville,	Bucks,	.....	Jan. 1889-Dec. 1913.
Oxford,	*Chester,*	*575*	*May 1865-Sept. 1865.*
Parkers Landing,	Armstrong,	.....	Jan. 1885-Dec. 1915. (1888 incomplete).
Parkersville,	Chester,	.....	See Pocopson.
Paupack,	Pike,	.....	Jan. 1912-Dec. 1915.
Pen Mar,	*Franklin,*	.....	*Jan. 1906-June 1906; Jan. 1908-Feb. 1908.*
Penn Line,	Crawford,	1,030	Jan. 1914-Dec. 1915.
Pennsburg,	*Montgomery,*	.....	*Sept. 1883-April 1884.*
Petersburg,	Huntingdon,	.....	April 1889-Dec. 1900.
Philadelphia,	Philadelphia,	.....	July 1819-Dec. 1915.
Philadelphia, Bureau of Water,	Philadelphia,	.....	Jan. 1891-Dec. 1895. (Portion of record incomplete).
Philadelphia, Centennial Avenue,	Philadelphia,	.....	Jan. 1891-Dec. 1915.
Philadelphia, Frankford Arsenal,	Philadelphia,	.....	Jan. 1889-Feb. 1892.
Philadelphia, Friends Asylum at Frankford.	Philadelphia,	.....	Jan. 1908-Dec. 1909; Sept. 1912-Dec. 1915.

TABLE IV. *Rainfall Stations in Pennsylvania—Continued*

Station.	County.	Elevation above mean sea level.	Term of Record.
		Feet.	
Philadelphia, Navy Yard,	Philadelphia,	.....	Nov. 1915-Dec. 1915.
Philipsburg,	Center,	1,350	April 1886-Dec. 1890.
Phoenixville,	Chester,	190	Aug. 1890-June 1895; Jan. 1915-Dec. 1915.
Pikes Creek Intake,	Luzerne,	1,052	See Cease Mills.
Pittsburgh,	Allegheny,	.....	Aug. 1836-April 1867; Jan. 1872-Dec. 1915. (1838-1866-1867 incomplete).
Pittsburgh, Allegheny Arsenal,	Allegheny,	704	Jan. 1889-Feb. 1892. Also see Pittsburgh.
Plainfield,	*Cumberland,*	.....	*May 1872-Dec. 1873.*
Pleasant Mount,	Wayne,	.....	March 1889-May 1892. (Record incomplete).
Plymouth Meeting,	Montgomery,	.....	Feb. and Dec. 1868; Jan. 1869-May 1872.
Pocono Lake,	Monroe,	.....	Oct. 1901-May 1913; June 1914-Aug. 1914; April 1915-Dec. 1915.
Pocono Pines,	Monroe,	.....	See Pocono Lake.
Pocopson,	Chester,	.....	Jan. 1854-Dec. 1873.
Point Pleasant,	Bucks,	.....	Jan. 1889-Dec. 1913.
Port Carbon,	*Schuylkill,*	.....	*Aug. 1840-Dec. 1841.*
Pottstown,	Montgomery,	140	Jan. 1876-Oct. 1898; Jan. 1901-March 1902; April 1914-Dec. 1915.
Pottsville,	Schuylkill,	.....	Jan. 1883-Dec. 1915.
Promised Land,	Pike,	.....	Oct. 1913-Dec. 1915.
Punxsutawney,	Jefferson,	.....	July 1913-May 1915.
Quakertown,	Bucks,	536	Jan. 1872-Dec. 1876; May 1880-April 1905; May 1914-Dec. 1915.
Quemahoning Dam,	Somerset,	.....	See Holsopple.
Randolph,	*Crawford,*	*1,720*	*June 1854-Feb. 1856. (Record incomplete).*
Reading,	Berks,	269	April 1839-Nov. 1839; June 1840-Dec. 1840; July 1869-Oct. 1875; Sept. 1877-March 1879; Jan. 1880-Dec. 1915.
Reedsville,	Mifflin,	.....	Oct. 1897-Aug. 1899. (Record incomplete).
Renovo,	Clinton,	.....	Aug. 1896-Dec. 1903. (Portion of record incomplete).
Renovo,	Clinton,	.....	Jan. 1896-May 1904; Sept. 1905-Dec. 1915.
Ridgway,	Elk,	.....	Dec. 1890-Sept. 1899; Feb. 1913-Dec. 1915.
Rimersburg,	*Clarion,*	.....	*Nov. 1888.*
Ringtown,	*Schuylkill,*	.....	*May 1872-June 1872; Nov. 1878-March 1879.*
Rochester,	*Beaver,*	.....	*June 1888.*
Rose Cottage,	*Jefferson,*	.....	*Jan. 1839-March 1840. (Record incomplete).*
Rush Valley,	*Susquehanna,*	.....	*Aug. and Sept. 1891.*
Sadsburyville,	Chester,	.....	Jan. 1911-Dec. 1915.
Saegerstown,	Crawford,	.....	Dec. 1891-Dec. 1915.
Salem Corners,	Wayne,	1,600	April 1869-Nov. 1871; May 1888-Dec. 1899.
Saltsburg,	Indiana,	.....	Jan. 1888-Nov. 1895; Nov. 1901-Dec. 1915.
Schuylkill Haven,	Schuylkill,	.....	Jan. 1880-May 1889.
Scranton,	Lancaster,	.....	Sept. 1888-Dec. 1888; April and May 1890; Sept. 1895-Dec. 1915.
Seisholtzville,	Berks,	.....	April 1889-Dec. 1913.
Selinsgrove,	Snyder,	455	Aug. 1888-Dec. 1915.
Sellersville,	*Bucks,*	.....	*June 1884-Dec. 1885.*
Sewickleyville,	*Allegheny,*	*656*	*Jan. 1861-Jan. 1862.*
Shamokin,	Northumberland,	750	Jan. 1857-Dec. 1862.
Shamokin,	Northumberland,	.....	Jan. 1908-Dec. 1915.
Sharon,	Mercer,	.....	April 1912-Dec. 1915.
Shartlesville,	*Berks,*	.....	*Jan. and Feb. 1876.*
Shawmont,	Philadelphia,	.....	March 1896-Dec. 1915.
Shinglehouse,	Potter,	1,475	Nov. 1893-Nov. 1899; April 1901-Sept. 1901.
Shippensburg,	Cumberland,	.....	June 1911-Dec. 1915. (Portion of record incomplete).
Silver Lake,	*Susquehanna,*	.....	*March 1839-Dec. 1841. (Record incomplete).*

TABLE IV. *Rainfall Stations in Pennsylvania—Continued*

Station.	County.	Elevation above mean sea level.	Term of Record
		Feet.	
Silver Spring,	*Lancaster,*	.....	*Jan. 1867.*
Sinnemahoning,	*Cameron,*	.....	*July 1895-March 1901.*
Skidmore,	Lawrence,	.....	See New Castle.
Skippack,	*Montgomery,*	.....	*Aug. 1893-Nov. 1893; Dec. 1896-June 1897.*
Smethport,	McKean,	1,493	Feb. 1839-Aug. 1841; June 1888-June 1889; June 1891-Sept. 1891; April 1893-Dec. 1904. (Record incomplete).
Smiths Corners,	Bucks,	.....	Jan. 1889-Dec. 1899; Jan. 1901-Dec. 1913.
Somerset,	Somerset,	.....	Jan. 1840-Dec. 1841; Jan. 1846-Dec. 1846; May 1856-Dec. 1856; July 1857-Dec. 1861; Jan. 1888-Dec. 1915.
South Bethlehem,	Northampton,	339	Jan. 1885-Nov. 1887; Jan. 1902-Aug. 1903.
South Eaton,	Wyoming,	660	Sept. 1889-Sept. 1903.
South Sterling,	Pike,	.....	May 1913-Dec. 1915.
Spring Brook Intake,	Lackawanna,	910	See Moosic.
Springdale,	Allegheny,	.....	March 1905-Dec. 1915.
Spring Mill,	*Montgomery,*	.....	*Yearly totals 1810-1823.*
Spring Mount,	Montgomery,	.....	See Frederick.
Spruce Creek,	*Huntingdon,*	.....	*May 1895-June 1896.*
State College,	Center,	1,191	Sept. 1882-Dec. 1884; Jan. 1887-Dec. 1915. (1882-83-84 incomplete).
Stevensville,	*Bradford,*	*300*	*May 1866-Feb. 1867.*
St. Marys,	Elk,	.....	June 1896-May 1910. (Record incomplete).
Stoyestown,	Somerset,	1,712	Dec. 1890-Nov. 1895.
Stroudsburg,	Monroe,	.....	Dec. 1910-Dec. 1915.
St. Vincent College,	*Westmoreland,*	*922*	*Jan. 1861-June 1862.*
Sugar Grove,	*Warren,*	*1,450*	*Aug. 1853-May 1854.*
Summit,	Crawford,	1,150	Jan. 1914-Dec. 1915.
Sunbury,	Northumberland,	445	Jan. 1896-Dec. 1903; April 1913-Dec. 1915. (Record incomplete).
Susquehanna Depot,	*Susquehanna,*	*800*	*June and July 1863.*
Swarthmore,	Delaware,	190	June 1888-April 1906. (Record incomplete).
Swiftwater,	Monroe,	1,600	Feb. 1897-Oct. 1900. (Record incomplete).
Tamaqua,	*Schuylkill,*	*700*	*May 1870-Oct. 1870; Jan. 1884-Feb. 1885.*
Tarentum,	*Allegheny,*	*950*	*May 1872-April 1880. (Record incomplete).*
Tidioute,	*Warren,*	*1,135*	*Sept. 1885-Nov. 1885.*
Tioga,	Tioga,	1,000	Jan. 1864-March 1879. (Portion of record incomplete).
Tionesta,	*Forest,*	.....	*Aug. 1888-Jan. 1890. (Record incomplete).*
Tipton,	*Blair,*	.....	*April 1889-Nov. 1890. (Record incomplete).*
Tohickon,	*Bucks,*	.....	*Oct. 1883-Sept. 1885.*
Towanda,	Bradford,	.....	Oct. 1894-Dec. 1915.
Trafford,	Westmoreland,	800	Aug. 1914-Aug. 1915.
Transfer,	Mercer,	1,020	Jan. 1914-Dec. 1915.
Tremont,	Schuylkill,	762	Jan. 1900-Sept. 1911.
Trout Run,	Lycoming,	.....	Feb. 1898-Nov. 1904.
Troy,	Bradford,	.....	Aug. 1884-July 1886; April 1888-Dec. 1891. (Record incomplete).
Trucksville,	Luzerne,	810	Jan. 1897-Dec. 1915.
Turnersville,	Crawford,	1,045	March 1912-Dec. 1915.
Tuscarora,	Juniata,	.....	See Kilmer.
Union City,	Erie,	1,200	Jan. 1914-Dec. 1915.
Uniondale,	*Fayette,*	*891*	*June 1872-Dec. 1873.*
Uniontown,	Fayette,	.....	Jan. 1888-Dec. 1915. (1915 incomplete).
Upper Lehigh,	*Luzerne,*	*1,850*	*May 1875-July 1875.*
Vandergrift,	Westmoreland,	840	Dec. 1913-Dec. 1915.
Vanport,	*Beaver,*	.....	*March 1897.*
Warren,	Warren,	.....	Jan. 1889-Dec. 1915.
Warrior's Mark,	*Huntingdon,*	.....	*March 1854-July 1854.*
Washington,	*Washington,*	.....	*Jan. 1885-May 1885; Sept. 1885-Nov. 1885.*
Waterville,	Lycoming,	.....	July 1914-Dec. 1915.

TABLE IV. *Rainfall Stations in Pennsylvania—Continued*

Station.	County.	Elevation above mean sea level.	Term of Record.
		Feet.	
Waynesburg,	*Greene,*	.....	*Jan. 1890-Sept. 1890.*
Weikert,	Union,	.....	Jan. 1911-Dec. 1915.
Wellsboro,	Tioga,	1,327	Jan. 1864-Dec. 1915.
West Bingham,	Potter,	.....	June 1914-Dec. 1915.
West Chester,	Chester,	461	June 1817-Dec. 1827; Jan. 1843-Dec. 1915.
Western State Express Farm,	*Indiana,*	*1,300*	*April 1872-Oct. 1872.*
Westford,	Crawford,	1,100	Dec. 1913-Dec. 1915.
West Greenfield,	*Mercer,*	.....	*May 1840.*
West Marlborough,	Chester,	.....	Jan. 1843-Dec. 1857.
West Newton,	Westmoreland,	.....	Jan. 1891-Dec. 1915.
Westtown,	Chester,	.....	Aug. 1887-May 1902. (Record incomplete).
Whitehall,	*Lehigh,*	*250*	*Feb. 1860 - March 1861; Jan. 1867 - Dec. 1868. (Record incomplete).*
White Haven,	Luzerne,	1,150	March 1895-April 1899; June 1906-July 1907; July 1914-Dec. 1915.
Wilkes-Barre,	Luzerne,	575	June 1883-Dec. 1915. (Early record incomplete).
Wilkes-Barre,	Luzerne,	545	Jan. 1899-Dec. 1915.
Wilkes-Barre,	*Luzerne,*	.....	*June 1881-Dec. 1885. (Record incomplete. Diary of W. L. Dana).*
Williamsfield,	Ashtabula, Ohio,	1,080	Jan. 1914-Dec. 1915.
Williamsport,	Lycoming,	530	Jan. 1873-Feb. 1878; Feb. 1889-Dec. 1891; Jan. 1895-Dec. 1915.
Wilsonville,	Wayne,	.....	Jan. 1912-Dec. 1915.
Windber,	*Somerset,*	.....	*July 1903-Nov. 1903.*
Worthington,	*Armstrong,*	*1,050*	*July 1859-July 1862.*
Wysox,	Bradford,	718	Aug. 1885-Oct. 1893. (Portion of record incomplete).
York,	York,	381	Jan. 1888-Dec. 1915.
York Sulphur Springs,	Adams,	.....	Jan. 1871-Aug. 1876.
Youngsville,	Warren,	*1,185*	*Feb. 1854.*
Zionsville,	Lehigh,	.....	*Feb. 1886-Feb. 1887.*

TABLE V. *Monthly and Annual Precipitation at Pennsylvania Stations*

Aleppo, Greene Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1900,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.07	.....
1901,	1.71	0.60	1.52	4.40	5.90	4.16	3.46	3.40	3.98	0.54	2.77	4.79	37.23
1902,	2.57	2.24	4.46	4.16	1.90	3.67	8.55	2.99	3.95	2.95	3.02	5.54	46.00
1903,	2.89	5.23	4.81	3.96	4.65	5.78	5.99	2.54	0.91	3.25	2.03	2.18	44.22
1904,	2.27	2.12	5.99	3.98	2.71	4.82	3.38	3.23	1.63	1.39	0.26	2.91	34.69
1905,	3.48	1.74	4.40	2.91	3.40	3.60	3.20	2.34	2.70	4.71	3.15	3.93	39.56
1906,	3.20	1.24	3.89	3.43	2.00	4.14	3.48	6.28	2.56	2.23	1.39	5.09	38.93
1907,	7.03	1.99	8.17	3.34	3.60	3.90	9.46	3.63	3.79	3.64	2.73	3.25	54.53
1908,	2.09	3.55	6.05	4.70	5.86	1.73	3.75	2.62	0.81	1.44	0.65	2.62	35.87
1909,	3.29	5.06	2.81	4.10	3.96	4.58	4.50	2.87	1.30	2.19	1.07	1.92	37.65
1910,	6.85	3.87	0.25	3.10	4.18	2.54	5.15	1.12	2.52	1.80	1.80	2.49	35.58
1911,	5.95	1.65	1.75	3.59	1.83	4.69	1.37	6.14	6.02	5.10	2.88	3.10	44.07
1912,	1.74	1.05	4.71	3.31	2.04	4.59	8.04	2.31	4.35	1.48	1.60	2.81	38.03
1913,	7.59	1.33	3.88	2.05	5.55	2.92	4.32	1.48	2.85	4.41	3.69	2.52	42.59
1914,	3.43	3.05	2.43	4.63	2.50	4.04	2.52	4.36	1.99	2.48	1.52	6.42	39.37
1915,	4.51	3.14	1.03	2.06	5.56	3.68	.....	3.53	4.37	3.46	2.91	4.36	.....
Means,	3.91	2.52	3.74	3.58	3.71	3.92	4.80	3.26	2.92	2.74	2.10	3.43	40.63

Allentown, Lehigh Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1911.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.90	.....
1912.	3.25	2.48	5.85	3.37	4.32	2.71	2.85	5.10	7.43	3.31	3.17	3.59	47.43
1913,	3.94	2.09	7.24	6.82	2.60	2.00	3.64	4.10	3.97	5.80	2.79	4.07	49.06
1914,	3.93	4.53	2.03	3.74	2.96	2.48	5.20	2.92	0.28	1.61	2.04	5.53	37.25
1915,	6.03	5.74	1.00	2.70	3.76	2.15	4.34	11.19	3.65	4.02	2.07	4.82	51.47

Altoona, Blair Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1884,	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.63	0.77	3.29	.....
1885,	3.92	1.59	0.44	1.83	.....	.....	.....	.....	0.82	3.61	1.92	1.73	.....
1886,	.....	0.87	2.20	3.16	.....	.....	2.35	.....	2.45	0.74	.....	0.99	.....
1887,	0.52	4.40	0.52	2.35	3.14	3.90	3.13	1.33	2.96	0.90	1.07	1.16	25.38
1888,	3.97	1.17	1.75	2.34	4.08	2.38	2.73	5.36	3.05	2.90	2.45	1.44	33.62
1889,	1.82	1.24	2.37	3.44	4.75	4.73	4.60	1.52	2.74	2.38	4.02	3.42	37.03
1890,	2.17	4.09	2.90	5.29	4.47	2.52	3.22	4.09	3.98	4.12	1.07	3.80	41.72
1891,	2.35	4.59	2.62	1.36	1.97	7.73	3.99	3.13	2.71	2.54	1.89	2.96	37.84
1892,	2.08	1.57	2.37	1.66	5.35	5.33	2.50	2.96	1.94	0.10	2.69	*2.00	30.55
1893,	1.65	3.21	1.06	3.48	4.67	2.94	2.50	2.92	1.85	2.71	1.48	2.15	30.62
1894,	0.99	1.82	0.80	1.69	9.32	2.66	1.01	3.18	5.25	1.77	0.74	2.30	31.53
1895,	3.22	0.17	1.05	2.16	0.80	3.75	1.75	1.64	2.28	0.55	1.30	2.50	21.17
1896,	0.87	1.94	1.77	1.38	2.70	8.48	5.35	1.88	6.65	2.28	2.80	1.44	37.54
1897,	2.03	3.31	3.44	3.88	3.09	3.05	3.98	2.17	3.18	0.75	5.36	3.54	37.78
1898,	4.05	1.23	5.81	2.22	6.55	1.99	1.91	3.75	0.76	7.44	2.14	2.67	40.52
1899,	2.41	3.33	4.79	1.64	5.62	1.79	3.67	4.46	3.82	1.23	2.89	2.70	38.35
1900,	2.21	3.55	3.12	1.22	3.91	2.53	3.25	3.90	1.48	3.63	4.54	1.50	34.84
1901,	1.89	0.78	4.07	6.22	5.85	4.04	5.83	5.34	2.59	0.59	2.03	4.92	44.15
1902,	2.85	2.60	3.96	5.30	1.30	5.40	6.88	1.12	1.58	4.36	1.05	5.37	41.77
1903,	3.84	4.59	4.38	2.99	2.63	4.34	4.51	5.08	1.93	3.36	1.82	1.50	40.97
1904,	3.03	2.39	4.12	4.40	2.93	3.09	4.68	1.69	1.73	1.43	0.63	1.98	32.10
1905,	3.23	1.44	3.84	1.98	4.69	5.16	4.72	5.19	2.23	3.94	2.28	3.36	42.06
1906,	2.63	0.75	4.21	2.26	2.44	2.66	3.42	8.36	1.68	2.26	0.63	3.80	35.10
1907,	5.31	1.50	5.65	1.89	2.42	5.69	2.06	3.28	5.90	1.80	3.35	3.27	42.12
1908,	3.18	4.38	6.19	3.31	8.27	1.70	*4.27	3.20	0.62	0.61	0.83	3.27	39.83
1909,	2.04	3.94	2.52	5.34	2.48	3.71	2.37	1.17	2.47	2.71	0.27	3.10	32.12
1910,	6.48	2.18	0.46	3.79	2.89	3.56	1.59	2.10	5.12	1.05	0.33	1.53	31.08
1911,	1.89	1.05	1.92	2.83	2.46	3.41	2.02	4.62	5.20	3.22	1.43	1.66	31.71
1912,	0.76	2.52	5.43	3.10	4.25	3.53	9.03	†3.24	†5.36	2.40	2.34	*2.49	44.45
1913,	4.69	1.26	3.12	2.28	5.64	1.96	4.84	1.49	4.48	7.90	3.08	2.94	43.68
1914,	3.27	3.58	2.56	4.80	3.32	4.07	3.36	1.77	0.76	3.35	1.87	4.28	36.99
1915,	5.79	3.09	0.87	1.10	5.74	5.03	2.80	3.68	2.64	2.95	2.40	3.51	39.60
Means,	2.56	2.17	2.81	2.69	3.95	3.70	3.29	3.18	2.71	2.32	1.86	2.40	33.64

Notes: *Interpolated. †Authority of E. F. Smith, C. E., Philadelphia.

Ansonia, Tioga Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1908,	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.62	0.68	2.93	.....
1909,	2.19	3.18	1.55	5.90	1.93	5.01	1.29	1.06	2.74	2.19	0.87	1.86	29.77
1910,	3.61	2.47	0.42	6.82	2.99	2.06	1.43	2.04	4.60	1.05	2.41	1.90	31.80
1911,	1.85	2.10	1.47	2.64	0.95	4.91	2.73	6.52	4.18	2.68	1.63	1.78	33.44
1912,	0.62	2.81	3.18	4.50	5.97	2.12	2.90	3.57	4.84	2.06	2.16	1.79	36.59
1913,	3.80	1.14	4.12	3.05	3.75	2.47	3.68	2.00	1.88	6.25	2.41	1.62	36.17
1914,	1.13	2.21	1.92	4.15	5.38	2.58	3.03	4.53	0.69	2.63	1.95	2.84	33.04
1915,	6.14	2.19	0.98	0.88	3.34	2.74	5.19	.....	2.71	2.95	1.28	2.39	.....
Means,	2.77	2.30	1.95	3.99	3.47	3.13	2.89	3.29	3.09	2.80	1.67	2.14	33.49

Aqueduct (P. O. Logania), Perry Co.—(Elevation 361 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	2.48	3.98	3.39	9.55	4.85	5.86	3.10	.....	2.83	6.56	2.45	.....
1890,	2.26	4.37	5.57	3.98	10.38	4.02	1.89	6.87	3.83	5.00	0.32	2.25	50.74
1891,	3.39	2.66	5.07	2.35	1.65	3.15	9.67	6.40	1.00	3.15	2.96	4.55	46.00
1892,	4.94	0.22	4.82	1.77	6.03	2.82	2.40	3.65	5.40	.....	4.30	1.23	37.58
1893,	2.43	7.96	2.96	4.13	6.40	3.83	2.30	3.78	2.66	3.29	3.14	2.25	45.13
1894,	1.55	4.69	1.09	4.29	8.00	2.78	2.39	2.67	5.68	5.56	2.64	3.79	45.13
1895,	3.72	0.74	2.04	4.23	2.06	1.65	2.66	2.39	2.24	1.27	2.20	4.15	29.35
1896,	1.25	5.65	4.08	1.28	2.65	4.85	7.11	2.00	2.59	4.33	3.47	0.63	39.89
1897,	1.50	2.70	1.93	2.53	5.93	2.93	3.78	2.72	2.66	2.34	5.87	3.15	38.04
1898,	2.79	1.78	2.18	2.59	6.34	2.29	3.09	7.51	1.11	6.58	2.75	2.12	42.13
1899,	2.59	4.36	3.87	1.14	3.65	3.70	1.80	8.21	3.92	1.85	3.07	2.45	40.61
1900,	2.71	3.97	3.83	1.38	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	2.65	3.46	2.54	2.76	5.69	3.35	3.90	4.48	3.11	3.29	3.39	2.64	42.26

Athens, Bradford Co—(Elevation 768 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1898,	.....	.....	2.06	3.47	3.06	2.44	2.49	5.86	1.64	4.94	2.39	1.61	.....
1899,	2.53	2.84	2.75	1.41	3.15	1.93	3.90	4.32	2.49	1.38	3.26	2.57	32.53
1900,	1.59	2.84	3.39	1.73	1.26	2.16	2.70	1.48	1.15	3.10	4.60	2.14	28.14
1901,	0.74	0.45	3.82	5.40	5.14	4.11	3.32	4.79	2.33	1.48	3.10	4.47	39.15
1902,	2.05	1.89	3.41	2.71	1.65	5.18	5.68	2.17	4.01	3.08	1.11	2.93	35.87
1903,	2.60	2.54	4.33	2.38	2.00	5.42	3.57	5.79	1.71	5.91	2.40	1.42	40.07
1904,	3.02	1.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	2.09	1.95	3.29	2.85	2.71	3.54	3.61	4.07	2.22	3.32	2.81	2.52	34.98

Austin, Potter Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1910,	.....	.....	.....	.....	.....	.....	3.78	3.30	4.02	2.43	3.06	2.20	.....
1911,	1.40	1.90	2.05	4.05	.....	.....	.....	.....	.....	.....	.....	.....	.....
1912,	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.26	1.66	3.39	.....
1913,	6.87	1.57	6.65	5.25	3.40	1.95	6.28	2.87	2.50	6.42	2.92	2.18	48.86
1914,	5.08	2.49	3.49	4.73	5.60	3.57	2.65	6.30	1.05	2.70	2.15	4.03	43.84
1915,	6.68	3.56	1.53	0.80	3.53	4.20	6.57	5.27	4.30	3.82	2.90	3.47	46.63

Baldwin, Butler Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1906,	.....	0.60	3.22	0.75	4.40	5.62	3.45	6.51	2.75	5.51	1.74	2.84	.....
1907,	2.85	1.94	3.89	3.75	3.69	4.83	4.83	0.88	4.32	2.41	2.44	3.35	39.18
1908,	1.83	5.35	5.67	5.55	4.14	3.14	6.04	2.19	.....	0.83	0.99	3.35	.....
1909,	3.59	5.42	3.46	.....	2.39	6.13	2.79	1.87	1.58	2.55	1.49	3.27	.....
1910,	7.56	4.03	0.35	3.63	3.48	1.68	3.09	2.93	8.45	2.30	2.09	4.27	43.86
1911,	3.19	3.09	2.43	3.25	1.69	3.76	1.84	7.76	7.77	8.79	3.45	3.32	50.34
1912,	1.96	2.19	2.38	3.37	2.03	3.49	.....	5.75	4.06	3.56	1.32	1.70	.....
1913,	7.64	2.35	6.14	2.22	2.46	2.21	4.88	1.29	1.50	6.45	2.60	2.45	42.19
1914,	3.88	1.69	1.64	4.73	3.86	3.09	2.63	6.00	1.75	2.90	1.68	5.12	38.97
1915,	4.89	3.36	.....	.....	4.13	4.95	5.94	5.57	3.99	1.71	2.23	4.91	.....
Means,	4.15	3.00	3.24	3.41	3.23	3.89	3.94	4.08	4.02	3.70	2.00	3.46	42.12

Bear Gap, Northumberland Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1898,	3.90	1.01	3.45	2.97	6.32	2.20	2.60	7.28	0.70	5.06	2.71	2.40	40.60
1899,	1.96	3.61	4.19	1.15	3.95	5.78	4.55	4.30	5.32	2.03	1.69	3.44	41.97
1900,	1.73	5.30	2.27	1.16	1.66	2.18	6.14	5.02	0.68	2.27	2.43	2.20	33.04
1901,	0.82	1.00	4.51	3.67	4.39	2.11	1.89	11.92	3.43	2.57	1.49	5.58	43.38
1902,	2.70	5.11	4.50	2.03	0.50	6.30	6.17	1.44	4.87	5.77	1.64	3.65	44.68
1903,	3.26	5.01	4.60	3.12	1.33	8.73	5.22	3.88	1.89	5.39	1.76	2.47	46.66
1904,	0.55	2.53	2.23	2.64	4.49	4.51	5.70	3.77	3.78	2.79	1.01	0.20	34.20
1905,	2.02	0.00	5.11	2.35	1.87	2.20	5.48	6.56	3.97	5.04	2.32	3.39	40.31
1906,	0.55	2.53	4.28	5.09	1.86	4.94	2.75	5.21	1.86	4.17	1.34	4.13	38.71
1907,	2.03	1.18	2.68	1.45	2.08	4.41	2.67	3.28	6.29	4.34	2.68	5.05	38.14
1908,	1.80	4.61	3.98	2.16	4.77	1.87	10.94	2.93	1.55	2.57	0.64	3.06	40.88
1909,	3.70	6.60	3.05	6.62	3.09	2.81	1.34	0.72	1.80	2.40	1.53	2.86	36.52
1910,	5.71	4.32	1.10	5.74	3.78	6.09	1.84	3.89	4.38	1.76	2.10	2.63	43.34
1911,	3.72	1.77	2.49	3.50	1.86	3.34	3.54	9.26	4.18	5.53	2.76	3.00	44.95
1912,	1.93	2.24	5.34	4.83	3.79	1.70	4.77	5.64	5.56	2.66	3.14	3.84	45.44
1913,	4.03	1.36	5.96	5.20	2.86	1.91	5.93	2.91	3.60	5.02	1.74	2.99	43.51
1914,	3.20	2.55	2.80	4.70	3.43	5.20	5.39	3.68	1.99	1.50	1.07	4.77	40.28
1915,	5.34	4.91	0.46	2.55	3.09	2.59	4.40	7.94	2.18	1.33	2.18	5.27	42.24
Means,	2.72	3.09	3.50	3.38	3.06	3.83	4.52	4.98	3.22	3.46	1.90	3.38	41.05

Note: Furnished by Roaring Creek Water Co., Shamokin, Pa.

Beaver Dam, Beaver Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1893,	.....	.....	.....	.....	.....	.....	2.47	4.98	2.06	5.63	1.91	2.78	.....
1894,	0.96	2.67	2.16	2.22	3.70	1.38	0.65	0.57	3.74	1.65	1.98	3.62	25.30
1895,	4.19	0.73	1.45	1.29	1.19	1.80	3.13	4.35	1.03	0.52	3.35	2.15	25.18
1896,	1.82	2.44	3.32	2.70	2.35	6.07	8.46	4.64	3.52	1.54	2.31	1.51	40.68
1897,	1.39	2.63	3.34	3.88	2.87	5.22	4.86	1.55	0.90	0.20	6.18	2.82	35.84
1898,	4.47	2.01	7.06	1.89	3.11	6.67	2.20	5.62	1.45	3.33	2.57	2.08	42.46
1899,	1.88	1.98	3.76	1.74	4.64	5.41	2.76	5.41	3.36	1.49	2.94	2.95	38.32
1900,	1.90	3.29	3.05	1.79	1.50	2.66	3.59	4.02	1.28	1.87	3.87	1.39	30.21
1901,	2.20	0.82	3.67	7.19	5.20	7.37	2.53	4.34	3.71	0.25	2.19	2.62	42.09
1902,	1.23	0.70	2.99	2.79	1.73	5.74	3.61	2.39	1.98	3.25	1.54	4.29	32.24
1903,	2.95	3.90	4.34	2.52	0.63	5.74	4.29	4.61	1.35	2.07	4.46	1.77	38.63
1904,	2.12	3.03	7.02	4.33	3.50	6.46	5.49	4.09	1.13	1.54	0.53	3.01	42.25
1905,	2.47	2.56	4.34	3.22	5.01	7.17	2.53	3.43	4.51	3.67	2.78	3.31	45.00
1906,	2.44	0.96	3.44	2.23	2.93	3.99	7.28	3.52	3.90	2.95	2.16	3.32	39.12
1907,	6.83	1.25	6.99	3.12	3.37	4.85	5.72	2.66	5.40	2.43	2.80	2.66	48.08
1908,	2.08	3.45	5.90	3.69	4.75	2.01	4.70	5.01	0.67	1.56	0.84	2.71	37.37
1909,	3.02	5.46	3.44	6.03	2.76	7.73	3.57	1.11	0.86	1.70	1.25	2.53	39.46
1910,	5.15	3.72	0.27	2.27	2.56	2.55	2.89	3.24	5.36	1.11	1.32	2.59	33.03
1911,	4.03	2.44	2.10	5.09	0.60	3.97	2.34	5.16	6.86	4.96	2.49	3.61	43.65
1912,	2.06	1.29	4.37	4.45	1.17	6.29	6.11	4.22	5.29	2.11	0.62	2.10	40.08
1913,	5.78	2.29	5.78	2.26	3.58	0.83	4.28	1.46	1.85	3.53	2.73	2.43	36.80
1914,	2.24	2.48	2.74	4.33	3.28	3.37	1.89	3.81	1.41	3.10	1.74	4.04	34.43
1915,	3.15	2.50	1.48	1.69	4.13	6.80	4.43	6.12	1.79	1.33	1.99	4.00	39.41
Means,	2.93	2.39	3.77	3.21	2.93	4.73	3.90	3.75	2.76	2.25	2.37	2.80	37.79

Beaver Falls, Beaver Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1908,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.93	2.18	.....
1909,	3.51	4.86	3.52	5.18	2.48	5.59	2.91	0.98	1.17	1.41	1.27	2.37	34.25
1910,	5.47	4.01	0.40	2.68	3.12	2.58	4.46	2.11	5.97	1.32	1.65	2.86	36.63
1911,	3.65	2.28	2.61	4.79	1.11	3.42	1.58	6.97	7.87	5.04	2.34	3.75	45.41
1912,	1.73	1.45	3.90	4.83	0.99	7.11	6.87	5.01	2.86	2.47	0.61	2.36	40.19
1913,	6.05	2.06	6.08	2.14	3.04	1.44	6.82	1.82	1.34	3.50	2.75	2.26	39.30
1914,	2.36	2.20	2.21	4.26	3.92	3.66	1.99	6.12	1.43	2.43	1.83	4.18	36.59
1915,	3.09	2.62	1.16	2.56	4.26	5.45	3.31	7.16	1.82	1.63	2.04	4.02	39.12
Means,	3.69	2.77	2.84	3.78	2.70	4.18	3.99	4.31	3.21	2.54	1.68	3.00	38.69

Bellefonte, Center Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1900,	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.95	4.49	2.24	.....
1901,	2.08	0.95	3.98	5.10	5.87	3.26	3.62	11.25	2.76	0.24	2.28	6.06	47.45
1902,	2.70	3.06	5.23	3.91	2.30	6.47	6.83	1.23	4.67	3.49	1.87	5.21	46.97
1903,	2.78	4.23	4.16	3.47	1.13	7.44	5.72	5.50	2.63	3.66	1.54	2.22	44.48
1904,	3.72	2.52	5.13	4.38	3.34	3.85	5.18	2.53	1.75	2.06	0.56	2.22	37.24
1905,	3.42	1.00	4.25	2.50	2.88	3.63	3.72	3.08	2.51	3.51	2.90	3.60	37.00
1906,	1.79	1.46	4.24	2.51	2.27	4.29	7.60	4.64	.....	.....	1.30	.....	.....
1907,	5.00	1.71	4.86	2.71	2.38	5.33	1.73	1.96	5.78	2.60	2.42	4.30	40.78
1908,	1.70	4.58	5.35	3.73	9.16	1.47	5.30	2.90	1.01	1.59	0.85	3.30	40.94
1909,	2.47	4.62	2.05	7.21	2.82	5.98	1.34	2.47	2.90	2.44	0.50	1.19	35.99
1910,	5.68	.....	0.27	7.82	2.54	3.00	5.20	2.44	4.54	2.01	1.40	1.94	.....
1911,	2.83	2.23	3.50	4.07	3.36	6.76	2.06	7.55	6.09	6.35	2.67	3.27	50.74
1912,	1.77	2.34	4.01	4.41	.....	.....	.....	.....	.....	.....	.....	.....	.....
1915,	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.21	2.25	3.55	.....
Means,	3.00	2.61	3.92	4.32	3.46	4.68	4.39	4.14	3.46	2.84	1.92	3.36	42.01

Bethlehem, Northampton Co.—(Elevation 1,200 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1877,	.....	.....	.....	.....	.....	.....	6.50	6.64	3.23	6.31	5.40	1.60	.....
1878,	4.52	3.25	2.75	2.92	4.65	3.50	5.28	2.03	2.49	3.40	3.44	5.60	43.83
1879,	.....	1.23	3.41	3.98	2.17	8.38	4.04	6.03	1.90	0.81	1.84	5.54	.....
1880,	2.95	2.86	4.13	3.50	1.26	3.88	4.17	2.50	2.47	1.85	2.73	1.71	34.01
1881,	4.06	2.43	5.48	0.99	2.87	6.08	1.36	0.59	0.90	2.90	2.72	4.61	34.99
1882,	3.32	3.90	4.91	2.19	6.58	3.28	2.77	3.54	5.25	2.70	1.32	1.62	41.38
1883,	4.32	4.04	2.71	2.79	2.88	8.62	4.52	1.55	4.20	5.16	1.54	2.59	44.92
1884,	2.38	4.85	5.04	2.41	2.86	4.76	8.13	2.49	1.63	3.64	2.71	6.05	46.35
1885,	4.43	3.65	1.04	2.36	2.29	1.05	2.76	9.17	0.54	4.92	4.28	1.60	38.09
1886,	3.63	4.68	4.08	2.98	5.59	4.52	3.53	2.15	1.76	2.19	5.44	3.66	44.21
1887,	3.62	5.46	1.86	2.08	1.96	5.70	8.58	3.46	2.78	1.12	1.32	5.11	43.05
1888,	5.08	3.50	3.84	3.30	2.84	3.12	2.64	9.20	10.93	2.77	3.82	3.60	54.64
1889,	4.66	1.94	3.35	4.30	4.30	5.28	9.93	4.10	6.14	3.30	8.72	1.66	57.68
1890,	2.28	4.43	6.12	2.58	7.44	3.10	6.02	5.92	3.51	6.17	0.82	2.98	51.37
1891,	5.62	3.88	5.38	1.96	2.29	2.44	5.80	5.45	2.53	2.66	1.89	4.11	44.01
1892,	5.76	0.62	4.67	0.70	4.40	3.89	1.37	3.33	2.54	0.44	6.70	1.60	36.02
1893,	2.79	6.41	2.57	3.38	4.59	2.97	1.88	4.61	2.14	2.79	3.51	2.47	40.11
1894,	1.54	4.50	1.29	2.41	10.80	2.49	2.83	2.07	8.54	5.04	2.86	4.85	49.22
1895,	4.04	0.89	2.31	4.46	2.33	4.48	3.84	2.96	0.63	3.69	1.66	2.61	33.90
1896,	1.26	6.41	5.82	1.27	6.30	3.60	6.13	2.22	3.68	2.77	4.32	0.70	44.48
1897,	2.35	2.57	2.50	3.41	6.05	4.03	4.84	3.64	2.10	1.22	5.99	4.22	42.92
1898,	4.35	3.17	2.79	3.37	6.05	1.05	4.47	5.23	0.90	4.44	5.23	3.50	44.55
1899,	3.65	2.11	4.06	1.70	1.76	3.10	3.08	4.83	7.31	1.15	.....	1.37	.....
1900,	2.54	4.13	.....	.....	.....	2.43	5.11	.....	1.22	.....	.....	2.03	.....
1901,	.....	.....	4.94	4.42	4.56	.....	3.66	8.75	3.08	2.62	1.64	6.57	.....
1902,	3.07	6.89	5.03	3.37	1.07	6.75	4.10	5.82	6.32	5.90	1.64	8.39	58.35
1903,	5.03	5.49	4.87	4.59	0.45	11.76	7.85	4.88	.....	.....	.....	.....	.....
1910,	.....	5.36	0.83	5.74	2.78	3.37	0.45	2.78	5.54	2.04	2.73	2.29	.....
1911,	2.93	1.66	2.93	3.42	1.55	7.77	2.88	6.77	1.85	7.23	2.93	2.81	44.73
1912,	1.16	2.44	6.83	3.67	4.20	2.58	2.72	4.94	5.96	3.68	2.47	4.77	45.42
1913,	4.22	2.13	6.41	6.28	3.33	1.81	2.50	5.01	4.39	5.41	3.05	4.04	48.58
1914,	3.87	2.62	2.30	.....	2.51	3.01	4.58	2.91	.....	1.47	1.63	5.47	.....
1915,	5.74	4.74	1.15	2.41	3.27	1.94	2.90	9.20	3.03	3.17	1.75	3.13	42.43
Means,	3.63	3.62	3.72	3.10	3.74	4.22	4.28	4.52	3.51	3.32	3.20	3.53	44.39

Blooming Grove, Pike Co.—(Elevation 1,000 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1865,	.....	.....	.....	.....	8.95	8.40	4.20	4.80	1.80	3.45	4.40	4.15	.....
1866,	1.26	4.85	1.65	2.10	3.30	8.30	2.30	3.17	3.10	2.45	6.20	2.40	41.08
1867,	1.70	4.60	3.10	3.32	11.00	3.70	2.90	9.60	0.40	3.15	2.10	2.34	47.91
1868,	2.68	1.28	3.30	4.30	8.90	3.55	3.75	5.60	4.90	2.05	5.10	1.95	47.36
1869,	1.50	3.68	5.21	1.72	5.10	4.30	5.20	1.20	4.30	9.70	3.51	4.96	50.38
1870,	4.24	3.67	3.93	4.71	2.00	.....	2.50	4.50	1.20	2.40	3.20	1.38	.....
1871,	2.13	3.04	6.49	3.80	2.50	2.15	4.50	11.10	1.60	1.85	4.81	2.16	46.13
1872,	0.60	1.03	1.40	2.37	4.10	6.10	4.30	4.80	5.00	3.70	3.26	2.38	39.04
1873,	3.62	2.00	4.14	2.70	2.40	1.90	5.60	7.80	2.70	7.70	2.50	3.18	46.24
1874,	0.84	2.27	1.20	6.90	1.30	3.70	7.20	0.30	3.80	2.30	1.50	0.80	32.61
1875,	2.50	2.50	4.20	2.55	0.70	2.50	4.40	9.10	0.60	2.90	1.90	2.10	35.95
1876,	0.50	1.01	1.95	1.16	3.10	1.18	5.30	0.10	4.30	0.60	2.80	2.00	24.00
1877,	0.60	0.80	5.00	2.40	1.60	1.20	3.10	2.80	3.70	6.20	7.00	1.25	35.65
1878,	3.65	2.85	1.20	0.70	3.20	1.40	4.40	2.00	4.60	1.80	5.20	6.40	37.40
1879,	2.02	2.96	1.74	2.60	1.70	3.50	4.00	4.20	3.80	0.80	0.93	4.75	33.00
1880,	2.60	2.30	2.30	1.90	1.24	3.50	6.20	1.50	1.70	2.50	3.10	0.98	29.82
1881,	1.95	4.30	7.60	1.95	2.00	5.20	1.30	1.40	0.90	3.50	1.80	3.35	35.25
1882,	2.51	1.33	3.70	1.60	3.70	4.10	6.20	8.10	5.30	3.00	2.05	0.93	42.52
1883,	2.20	2.40	1.16	2.10	3.40	6.10	6.10	1.50	1.90	3.50	0.58	1.70	32.64
1884,	3.06	2.87	5.20	2.90	3.30	3.50	8.50	4.70	2.00	2.90	5.00	3.40	47.33
1885,	2.50	3.05	0.95	2.22	2.00	1.60	2.30	9.20	1.00	7.70	5.10	2.10	39.72
1886,	4.95	3.70	5.30	3.90	5.80	3.20	4.10	5.20	3.80	2.90	6.95	2.94	52.74
1887,	2.50	4.88	3.75	4.25	5.20	5.30	10.90	5.20	2.00	2.40	2.90	6.20	55.48
1888,	2.90	2.50	4.10	2.80	3.20	3.50	6.60	7.70	.....	.....	.....	.....	.....
1889,	4.30	3.66	3.60	6.70	5.40	6.70	11.00	4.70	8.30	6.10	8.90	3.00	72.36
1890,	2.20	4.50	8.50	3.10	8.30	4.80	6.20	9.12	4.40	8.30	0.60	4.10	64.10
1891,	5.40	6.20	5.10	3.30	1.90	2.80	6.20	5.90	1.60	2.30	5.00	5.60	51.30
1892,	6.50	0.80	2.80	1.90	6.50	13.00	4.10	6.90	3.60	0.40	4.40	0.94	51.84
1893,	3.41	5.60	4.16	3.71	6.72	1.20	2.53	5.75	2.61	1.51	3.95	3.30	44.45
1894,	2.50	3.40	1.11	2.75	6.10	3.51	3.66	1.62	4.80	6.42	2.91	4.15	42.93
1895,	3.92	3.47	1.47	5.21	2.74	2.99	4.18	2.80	1.35	.....	.....	.....	.....
1896,	.....	7.97	7.98	0.99	2.98	2.49	5.80	2.71	6.03	3.81	6.40	1.18	.....
1897,	3.25	3.59	3.59	4.01	6.87	3.30	9.39	4.56	3.56	.....	.....	.....	.....
Means,	2.73	3.22	3.65	3.02	4.16	4.02	5.12	4.85	3.15	3.61	3.80	2.87	44.20

Note: 1865-70 station located at Nyces, 3 miles west of Blooming Grove.

Bloomsburg, Columbia Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1892,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.94	.....
1893,	1.61	6.10	2.49	3.34	7.07	2.93	3.55	3.07	2.65	1.18	1.44	1.41	36.84
1894,	1.89	2.22	0.31	4.58	10.02	2.25	1.97	2.33	.....	.....	.....	.....	.....

Bloserville, Cumberland Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	1.66	2.14	9.26	6.74	6.05	7.93	6.75	4.33	8.06	1.59	2.35	3.25	60.11
1913,	3.38	1.53	5.38	4.15	4.86	1.04	2.71	1.68	4.52	8.90	2.04	3.45	43.64
1914,	5.43	3.04	2.32	5.34	3.66	4.60	8.94	6.08	1.03	1.27	1.61	4.63	48.04
1915,	7.85	4.61	1.25	2.50	4.58	5.84	6.77	14.30	3.74	3.28	2.54	4.70	61.96

Blue Knob, Blair Co.—(Elevation 2,500 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	.....	.....	4.81	10.52	2.30	6.20	2.20	4.70	4.70	9.70	0.58	.....
1890,	2.09	3.66	5.04	5.50	6.50	4.50	1.60	6.00	0.65	1.73	0.78	8.63	46.68
1891,	3.45	2.36	5.61	1.80	0.31	6.30	0.67	5.60	3.10	3.30	2.29	2.00	36.79
1892,	5.41	4.03	4.47	3.35	6.44	5.41	5.10	3.83	3.63	0.88	5.33	4.37	52.25
1893,	4.60	6.59	1.94	6.20	9.20	2.49	3.70	3.58	2.76	6.58	2.79	4.08	54.51
1894,	2.46	4.97	2.49	3.78	14.57	1.67	1.69	2.37	5.25	2.81	3.18	4.04	49.28
Means,	3.60	4.32	3.91	4.24	7.92	3.78	3.16	3.93	3.35	3.33	4.01	3.95	49.50

Bradford, McKean Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1910,	5.21	4.51	0.62	4.61	3.50	1.60	4.00	1.89	5.89	3.83	3.30	2.47	41.43
1911,	3.88	3.05	2.79	3.17	2.02	3.78	.....	.....	.....	.....	.....	.....	.....

Brookville, Jefferson Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1885,	4.53	1.60	1.52	3.16	7.34	3.63	5.47	13.28	2.91	5.68	3.72	2.64	55.48
1886,	3.79	1.39	1.91	2.31	1.79	1.63	1.79	1.16	3.13	1.11	4.42	1.80	26.23
1887,	2.12	5.50	1.93	2.45	2.13	2.31	2.18	3.20	3.39	1.06	3.41	2.64	32.32
1888,	4.47	1.06	2.03	2.44	2.12	1.60	.....	.....	.....	1.24	2.52	2.23	.....
1889,	2.93	2.34	2.30	5.28	6.09	9.36	4.13	2.82	3.40	2.36	3.72	2.37	47.10
1890,	2.56	2.30	2.19	2.90	7.32	2.26	2.08	4.70	5.47	6.63	2.58	3.30	44.29
1891,	2.86	4.94	4.13	2.47	1.59	4.52	6.05	3.43	1.33	1.39	4.55	3.98	41.24
1892,	3.48	3.00	3.72	1.74	7.17	6.30	3.63	1.74	2.48	0.48	2.86	1.65	38.25
1893,	2.38	7.03	2.44	4.83	5.02	4.23	4.73	2.81	2.06	2.49	2.19	3.38	43.59
1894,	2.77	2.59	1.34	3.00	6.35	2.03	2.18	0.40	8.12	2.38	1.39	4.48	37.03
1895,	3.17	0.99	2.33	3.33	1.71	3.79	3.06	2.43	3.37	0.76	3.96	3.56	32.46
1896,	0.80	2.82	2.47	2.28	1.51	4.42	10.91	3.58	5.55	3.19	3.13	1.84	42.50
1897,	2.04	1.49	4.95	1.85	1.71	5.19	9.97	3.29	2.85	0.53	5.36	4.82	44.05
1898,	5.22	1.69	7.42	2.35	4.16	2.95	2.02	5.92	1.46	4.47	3.09	2.04	42.79
1899,	2.70	1.71	3.73	1.96	5.39	4.89	5.52	1.68	4.92	2.48	1.67	3.87	40.52
1900,	1.84	4.54	3.06	1.47	2.33	3.25	6.08	3.45	2.49	3.33	4.94	1.56	38.34
1901,	1.68	0.74	1.78	5.82	5.05	3.98	2.73	8.61	2.47	1.08	3.94	3.32	41.20
1902,	3.04	2.65	3.64	3.40	3.68	6.80	7.02	0.94	2.34	2.93	1.70	4.96	43.10
1903,	3.46	4.24	5.62	4.20	1.44	5.10	6.32	5.70	2.44	3.50	4.06	2.20	48.28
1904,	3.90	1.70	6.89	6.14	3.90	3.34	5.89	3.18	1.06	2.09	0.76	3.10	41.95
1905,	3.24	1.50	4.36	2.60	2.52	6.14	7.46	3.97	4.12	5.48	3.72	4.76	49.87
1906,	3.08	0.76	3.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1910,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.34	.....	.....
1911,	.....	2.92	2.06	1.66	0.77	3.59	1.34	11.78	7.36	4.78	2.19	1.80	.....
1912,	1.99	1.26	1.80	2.51	1.51	2.03	6.93	7.72	3.97	3.60	2.00	2.14	37.46
1913,	3.20	0.88	5.02	2.90	3.75	3.62	4.36	0.95	1.57	5.20	3.00	0.95	35.40
1914,	4.22	2.00	2.08	.....	.....	3.90	.....	.....	.....	1.82	1.33	4.47	.....
1915,	4.60	3.06	1.07	0.90	3.41	4.97	6.33	5.90	2.65	2.69	2.50	4.31	42.39
Means,	3.08	2.47	3.15	2.96	3.59	4.07	4.92	4.28	3.37	2.80	3.00	3.01	40.70

Browers Lock, Montgomery Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1880,	1.63	2.42	4.22	2.94	0.86	3.27	8.32	2.27	2.52	1.79	1.98	4.67	36.89
1881,	4.09	4.81	4.87	1.03	3.58	7.62	1.05	0.88	1.76	2.49	2.70	3.41	38.29
1882,	5.46	3.65	3.77	2.00	5.51	3.42	2.06	3.33	7.34	1.99	1.43	1.75	41.71
1883,	3.83	4.28	1.92	3.30	1.84	8.31	3.07	4.85	2.68	3.91	1.70	3.50	43.19
1884,	6.24	5.95	5.20	2.62	3.54	5.52	4.23	3.20	0.39	2.84	3.29	6.25	49.27
1885,	3.91	5.07	0.98	1.98	3.39	1.16	2.11	5.24	2.28	4.18	4.57	3.31	38.18
1886,	4.31	4.98	3.93	3.00	5.70	4.35	5.22	1.93	0.99	2.83	4.01	2.39	43.64
1887,	4.05	4.55	2.70	2.89	2.90	5.76	6.56	2.51	3.72	1.47	1.63	4.58	43.32
1888,	3.55	4.03	4.35	1.90	3.01	1.04	2.71	5.34	4.74	2.60	3.58	0.77	37.62
1889,	3.79	1.91	3.50	3.72	6.42	3.87	11.93	5.47	6.80	5.10	7.00	1.55	61.06
1890,	2.30	3.83	6.13	1.80	6.37	2.08	3.33	4.02	2.54	5.34	0.96	2.37	41.07
1891,	5.94	4.50	6.65	2.07	2.15	2.67	8.74	7.09	2.51	3.08	1.36	3.55	50.31
1892,	4.91	0.71	5.49	2.06	4.39	2.62	4.04	3.54	2.22	0.33	6.39	2.05	38.75
1893,	2.48	5.34	2.72	4.84	4.08	2.22	2.35	3.96	3.41	3.42	4.81	3.13	42.76
1894,	1.85	4.11	1.93	2.46	12.11	3.66	3.83	1.24	9.27	5.60	2.73	3.42	52.21
1895,	4.82	1.08	3.42	4.94	3.17	3.78	2.83	2.29	0.47	2.48	3.00	2.94	35.22
1896,	1.27	6.65	5.09	1.40	3.37	3.51	5.36	0.74	8.57	3.47	3.56	0.69	43.68
1897,	2.00	4.34	2.04	3.38	7.00	4.29	7.13	2.41	1.84	2.37	5.23	4.32	46.35
1898,	4.39	4.05	2.93	3.60	5.87	3.10	3.10	6.13	1.82	4.92	6.64	3.93	50.48
1899,	4.84	5.22	6.65	1.60	2.14	5.06	2.29	5.28	6.30	1.40	2.89	1.63	45.30
1900,	3.81	5.47	3.75	1.92	3.93	3.88	4.79	4.15	2.55	2.17	1.67	2.18	40.27
1901,	3.11	0.95	4.99	4.99	4.58	2.77	5.14	6.50	3.13	1.33	3.02	7.68	48.19
1902,	3.55	7.58	3.80	3.12	2.03	7.05	3.83	3.04	5.91	6.39	2.11	7.20	55.61
1903,	3.70	5.77	3.66	3.51	0.75	7.19	3.76	4.99	2.96	5.97	1.17	2.75	46.18
1904,	3.88	1.91	4.10	1.66	3.27	2.80	3.24	5.26	4.81	4.86	2.27	3.30	41.36
1905,	4.50	2.83	3.59	4.28	1.24	3.29	4.80	10.24	3.01	4.63	2.32	3.10	47.83
1906,	3.23	3.07	3.78	4.33	4.24	7.31	2.67	8.54	1.45	6.00	1.59	4.60	50.81
1907,	3.72	2.83	3.50	2.73	4.03	6.18	3.42	4.36	9.49	5.13	7.28	4.95	57.62
1908,	1.54	5.73	3.96	2.31	4.86	2.36	4.96	4.01	1.50	1.48	1.22	4.10	38.03
1909,	2.17	4.42	3.59	4.47	2.70	3.93	1.85	1.40	1.98	1.40	1.78	4.59	34.28
1910,	4.69	3.67	1.02	4.63	2.30	4.16	1.24	3.61	2.36	3.04	2.14	1.37	34.23
1911,	2.90	1.99	2.94	3.57	2.87	6.48	2.61	10.55	3.04	3.22	5.25	3.68	49.10
1912,	2.18	2.54	7.70	3.24	3.26	2.35	4.00	5.69	5.99	4.28	3.86	4.81	49.90
1913,	3.90	2.85	4.22	7.68	3.89	2.93	2.56	4.12	2.28	5.55	2.47	2.40	44.85
1914,	4.33	2.01	2.37	2.98	3.70	2.70	6.37	2.39	0.91	1.42	2.37	5.02	36.57
1915,	6.90	6.41	0.78	2.14	5.53	2.65	5.50	7.55	1.57	2.57	1.91	4.49	48.00
Means,	3.72	3.93	3.78	3.09	3.90	4.04	4.19	4.39	3.48	3.36	3.11	3.51	44.50

Butler, Butler Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1899,	.....	2.39	5.29	1.36	4.39	3.96	3.87	3.46	2.20	2.24	2.01	4.19	.....
1900,	3.21	4.01	3.24	1.47	4.67	3.08	7.52	4.20	1.45	2.53	5.36	1.79	42.53
1901,	2.83	1.90	5.11	7.56	5.43	7.43	3.36	9.12	3.29	0.69	.....	.....	.....
1903,	2.55	3.54	4.38	2.93	2.85	9.29	6.16	6.49	1.28	3.48	3.43	2.10	48.48

California, Washington Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1901,	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.56	2.25	4.24	.....
1902,	2.03	1.52	3.58	5.00	2.12	3.85	7.33	1.85	2.23	4.21	1.84	4 33	39.89
1903,	2.40	4.95	3.98	3.23	1.78	6.70	3.56	2.36	2.72	2.73	2.08	1.43	37.92
1904,	2.78	1.90	4.82	3.99	3.68	3.09	2.63	5.32	1.31	1.46	0.44	2.09	33.51
1905,	2.50	1.73	4.09	3.68	2.68	7.75	5.29	3.09	2.57	4.84	2.27	3.70	44.19
1906,	1.77	1.07	4.05	1.87	3.53	4.00	4.91	8.10	1.58	3.30	0.84	4.42	39.44
1907,	5.03	1.68	7.14	2.13	3.07	4.36	4.56	3.90	4.18	1.96	1.68	3.81	43.50
1908,	1.30	3.84	6.67	.....	.....	.....	.....	.....	.....	0.18	0.55	1.95	.....
1909,	.....	.....	.....	.....	1.98	.....	.....	.....	1.35	3.00	.....	.....	.....
1910,	.....	.....	T.	.....	1.15	4.20	.....	.....	.....	1.05	1.91	.....	.....
1911,	.....	.....	1.45	3.72	1.20	.....	.....	.....	.....	.....	2.30	3.53	.....
1912,	2.37	1.85	4.63	3.38	2.13	4.24	7.87	4.12	.....	1.60	2.15	2.06	.....
1913,	6.09	1.83	3.68	3.13	5.19	1.80	2.50	0.77	.....	3.15	3.65	0.69	.....
1914,	5.73	.....	1.56	.....	1.57	3.65	.....	.....	1.58	2.01	2.78	.....	.....
1915,	3.17	.....	1.36	1.06	7.45	5.38	4.52	2.87	.....	3.07	.....	.....	.....
Means,	3.20	2.26	3.92	3.12	2.89	4.46	4.79	3.60	2.19	2.37	1.90	2.93	37.63

Cameron, Cameron Co.—(Elevation 964 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	1.28	3.05	3.12	1.70	3.56	5.75	5.89	1.85	6.23	3.83	2.49	1.22	39.97
1897,	1.45	1.76	3.40	2.70	3.85	2.72	6.81	1.70	2.55	0.86	4.25	2.69	34.75
1898,	4.39	1.17	6.71	2.72	3.94	6.36	3.72	6.49	1.23	6.23	2.83	1.94	47.73
1899,	2.00	2.38	3.84	1.86	.....	.....	.....	.....	.....	.....	.....	.....	.....

Canonsburg, Washington Co.—(Elevation 936 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1840,	.....	.....	3.60	2.37	4.17	.....	3.77	3.06	.....	2.97	.....	.....	.....
1844,	.....	.....	.....	1.68	5.21	.....	.....	.....	.....	.....	.....	.....	.....
1845,	2.78	1.05	2.29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1856,	3.25	1.17	2.13	3.00	2.83	3.18	1.05	1.37	1.68	1.39	2.11	1.54	24.70
1857,	1.56	1.91	1.29	2.17	5.74	5.49	4.45	4.49	2.91	3.61	3.73	3.50	40.85
1858,	3.72	1.76	0.30	2.93	7.58	4.58	2.32	1.27	1.34	2.15	2.82	4.10	34.87
1859,	1.35	3.42	3.97	6.83	3.35	3.38	3.22	5.40	3.66	1.16	1.26	3.28	40.28
1861,	4.92	3.06	1.53	3.76	2.05	3.83	5.20	1.27	2.48	4.52	3.27	1.45	37.34
1862,	9.92	1.50	4.75	4.55	1.44	.....	.....	.....	.....	.....	.....	.....	.....
1863,	3.00	4.14	3.15	2.47	1.21	2.78	2.40	1.85	4.40	2.35	2.76	1.49	32.00
1864,	1.62	3.17	3.94	2.64	2.34	4.33	2.83	4.68	8.55	0.94	3.98	3.76	41.88
1865,	2.83	1.38	5.10	2.20	4.68	6.65	5.61	4.20	4.60	3.07	0.70	2.90	43.92
1866,	1.76	2.54	3.24	2.97	1.07	4.64	3.71	3.45	5.85	4.06	3.44	3.13	39.86
1867,	0.97	2.86	4.01	1.37	5.10	1.97	3.60	1.84	1.15	2.85	1.19	2.02	28.93
1868,	2.67	1.03	3.76	2.54	3.16	0.85	4.08	3.33	7.96	1.52	2.96	1.69	35.55
1869,	4.64	2.05	3.87	0.89	5.67	2.84	4.21	1.43	5.69	2.00	2.35	2.32	37.96
1870,	4.62	3.46	3.25	2.61	3.41	2.83	3.46	3.81	2.04	3.06	1.06	1.78	35.39
1871,	2.30	1.87	1.92	1.83	3.13	3.59	3.25	5.31	0.80	1.79	1.92	1.60	29.31
1872,	1.08	0.50	1.04	1.34	1.69	2.83	5.48	0.98	3.26	4.59	1.26	2.70	26.75
1873,	2.87	2.57	3.02	2.03	4.72	3.89	2.55	4.77	1.99	6.28	2.17	3.51	40.37
1874,	3.35	3.22	2.44	5.91	1.16	1.72	9.88	1.37	3.80	0.10	3.60	4.30	40.85
1875,	2.03	1.58	3.60	2.33	1.90	2.00	7.04	1.78	3.19	2.49	2.64	3.70	34.28
1876,	2.25	2.96	3.77	0.99	2.40	2.38	5.61	2.38	6.07	1.07	1.84	1.60	33.32
1877,	.....	0.70	3.78	2.73	1.85	4.76	3.35	3.03	0.74	2.28	3.97	1.20	.....
1878,	4.63	1.70	2.21	4.00	1.30	4.65	.....	.....	.....	.....	.....	.....	.....
1889,	.....	.....	.....	.....	.....	.....	.....	1.64	3.41	2.87	4.91	3.30	.....
1890,	5.01	5.55	4.48	4.24	5.20	1.82	3.93	6.89	.....	.....	1.91	.....	.....
Means,	3.18	2.30	3.02	2.82	3.29	3.41	4.14	3.03	3.60	2.60	2.54	2.61	35.71

Carlisle, Cumberland Co.—(Elevation 480 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1839,	3.92	2.91	0.79	.....	4.18	6.94	.....	.....	.....	0.82	1.79	5.20	.....
1840,	2.06	1.79	2.12	4.50	2.42	2.07	.....	.....	.....	.....	.....	.....	.....
1841,	.....	.....	.....	4.90	3.43	4.07	.....	.....	.....	1.33	3.05	5.69	.....
1855,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.65	.....
1856,	2.15	0.90	1.07	.....	0.73	4.18	3.77	2.02	1.57	2.15	2.10	1.90	.....
1857,	3.08	0.86	1.21	2.74	7.75	10.88	.....	.....	.....	.....	.....	.....	.....
1858,	.....	.....	.....	.....	.....	.....	2.00	4.55	3.23	3.25	4.70	3.57	.....
1859,	2.30	2.47	5.49	5.67	1.37	2.95	2.47	2.79	9.50	.....	.....	.....	.....
1868,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.80	.....
1869,	3.95	3.60	5.75	1.80	6.10	6.00	3.40	1.10	1.90	6.30	2.70	8.10	50.70
1870,	5.40	4.35	3.95	5.90	6.30	7.80	5.90	2.80	6.00	2.90	1.80	2.35	55.45
1871,	3.05	2.55	3.89	2.10	3.10	3.65	4.50	9.40	2.65	3.30	3.35	1.80	43.34
1872,	0.90	1.95	1.85	3.35	4.05	3.90	2.60	4.54	2.95	5.40	3.00	3.30	37.79
1873,	3.65	4.00	3.85	3.80	3.90	1.60	2.55	9.55	2.20	6.10	2.60	2.45	46.25
1874,	4.05	5.42	1.80	6.35	1.95	1.50	7.10	1.40	3.75	3.75	2.25	2.45	41.77
1875,	2.45	2.40	4.90	2.85	0.60	2.70	5.96	6.06	2.50	3.45	3.00	2.50	39.37
1876,	1.67	3.17	6.00	3.00	1.40	4.75	6.73	5.10	11.34	1.20	3.27	1.73	49.36
1877,	3.60	0.50	6.80	3.35	1.10	5.25	1.96	1.70	4.45	3.70	8.27	0.05	40.73
1878,	4.65	1.60	3.00	2.93	3.90	3.20	2.00	5.20	2.00	5.12	2.57	.....	.....
1888,	3.30	3.37	2.91	2.79	5.14	3.25	3.43	.....	3.29	3.19	2.88	2.77	.....
1889,	3.49	1.68	1.91	4.56	4.52	4.59	.....	2.49	.....	3.75	9.03	2.44	.....
1890,	2.16	4.12	5.87	3.19	5.47	2.90	1.91	9.65	4.12	5.72	0.81	4.20	50.12
1891,	4.07	4.22	6.52	1.18	2.17	3.46	6.03	5.53	1.05	3.51	1.70	3.66	43.10
1892,	5.64	1.15	4.19	2.77	5.98	4.59	.....	1.97	4.85	0.05	3.52	1.45	.....
1893,	2.41	4.56	1.44	3.71	5.49	3.42	1.57	5.82	2.56	0.97	3.92	1.60	37.47
1894,	1.79	4.53	1.14	3.61	8.12	2.05	1.96	2.92	9.45	4.58	2.63	3.38	46.16
1895,	3.74	1.39	3.67	3.75	2.34	2.62	1.31	4.70	1.06	0.64	2.46	3.49	31.17
1896,	1.72	6.41	4.20	2.36	2.92	4.27	4.64	0.78	2.75	2.78	3.59	0.70	37.12
1897,	1.77	3.42	3.90	2.92	6.54	1.52	4.42	5.12	2.97	2.05	4.07	3.29	41.99
1898,	4.23	2.09	4.76	2.52	6.64	1.24	3.68	9.62	1.22	6.07	4.39	2.92	49.38
1899,	3.41	5.49	3.89	1.14	6.36	4.38	2.60	10.09	4.05	2.98	2.27	2.77	49.43
1900,	2.34	4.65	4.31	1.37	1.17	3.82	4.20	.....	1.09	2.74	3.38	1.43	.....
1901,	1.99	0.82	2.09	1.46	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	3.07	2.98	3.56	3.23	3.97	3.92	3.61	4.79	3.70	3.25	3.30	2.84	42.22

Cassandra, Cambria Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1894,	.....	.....	.....	3.78	14.57	1.67	1.69	2.37	5.25	2.81	3.05	4.04	.....
1895,	4.71	1.45	3.22	3.61	4.66	3.65	4.85	2.27	3.69	1.11	2.21	3.68	39.11
1896,	2.10	4.38	5.24	2.89	2.33	6.33	6.75	3.58	6.77	2.89	3.10	1.40	47.82
1897,	3.18	3.43	3.70	3.56	4.18	2.88	3.44	2.40	2.86	0.39	4.88	3.75	38.65
1898,	3.79	1.85	5.22	1.83	6.35	3.11	3.73	6.49	1.61	7.12	2.51	2.61	46.22
1899,	2.87	3.11	4.61	1.93	4.78	3.88	4.36	3.77	3.70	0.79	3.19	3.63	40.62
1900,	2.96	4.00	2.98	2.77	1.43	7.09	6.73	4.41	1.16	2.99	4.20	1.16	41.88
1901,	2.54	2.75	3.49	5.34	5.83	4.21	3.71	5.42	3.13	0.70	3.73	3.73	44.58
1902,	3.14	4.75	3.75	5.44	1.61	5.72	8.42	2.14	2.02	5.73	1.36	4.16	48.24
1903,	2.89	4.42	3.47	2.45	3.28	5.59	4.56	4.15	1.85	3.00	3.99	2.71	42.36
1904,	3.89	3.41	3.58	1.58	3.11	4.74	6.05	3.20	2.30	1.87	1.20	3.13	38.06
1905,	2.97	1.30	3.97	2.74	2.80	7.58	3.80	2.04	2.15	3.42	2.73	3.61	39.11
1906,	2.35	1.70	4.40	1.62	3.04	4.74	3.09	9.23	1.35	2.22	1.29	3.26	38.29
1907,	3.92	1.69	7.05	2.02	2.43	6.90	4.34	5.82	3.33	3.19	2.60	3.85	47.14
Means.	3:18	2.94	4.21	2.97	4.31	4.51	4.68	4.09	2.94	2.73	2.86	3.20	42.64

Cease Mills, Luzerne Co.—(Pikes Creek Intake)—(Elevation 1,052 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1910,	4.80	3.77	0.80	4.37	3.92	4.30	0.97	2.71	5.17	1.31	1.88	0.87	34.87
1911,	3.03	2.13	2.11	4.00	1.67	5.12	2.96	7.67	3.83	5.02	2.99	2.80	43.83
1912,	1:70	2.30	4.41	4.35	2.53	1.77	2.54	3.26	8.14	3.13	3.88	4.08	41.59
1913,	3.98	1.76	6.17	5.70	3.00	2.10	4.28	2.84	3.89	3.94	2.63	3.01	43.30
1914,	2.32	3.00	3.08	5.06	4.00	3.15	4.37	6.62	0.77	2.11	1.29	4.17	39.94
1915,	6.27	4.50	0.99	2.45	4.70	5.18	2.72	7.69	2.24	1.93	1.63	3.82	44.02
Means,	3.68	2.91	2.93	4.32	3.30	3.60	2.97	5.13	4.01	2.91	2.38	3.12	41.26

Note: This record furnished by The Spring Brook Water Supply Company, Wilkes-Barre, Pa.

Catawissa, Columbia Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1878,	.....	.....	2.81	2.85	4.50	4.11	3.90	2.41	2.99	4.14	2.67	4.25	.....
1879,	1.88	1.79	1.68	3.25	1.54	3.18	4.50	2.93	3.00	1.11	2.20	4.00	31.06
1880,	2.39	3.40	3.08	2.65	2.11	3.66	4.66	5.42	2.87	1.77	2.49	1.40	35.90
1881,	3.62	3.23	4.48	1.10	2.81	8.08	1.17	1.07	0.45	2.06	2.80	4.85	35.72
1882,	4.32	3.96	3.95	2.65	5.69	4.15	3.51	4.39	3.38	1.58	1.19	0.72	39.49
1883,	3.35	2.24	2.54	2.94	3.01	8.07	4.63	2.26	2.41	3.38	1.42	1.91	38.16
1884,	3.17	3.61	4.08	2.92	3.38	3.63	2.83	2.27	2.66	3.69	2.98	3.77	38.99
1885,	4.13	3.13	1.04	2.43	2.68	2.22	3.26	7.36	0.94	5.65	4.65	2.33	39.82
1886,	4.50	2.75	4.13	2.37	7.19	3.08	3.62	1.59	4.20	2.84	5.82	2.36	44.45
1887,	2.68	3.87	.....	.....	3.40	4.45	1.70	4.12	5.14	0.56	1.66	2.00	.....
1888,	3.58	2.03	2.59	2.91	5.20	2.78	2.48	6.28	3.74	3.82	3.79	3.97	43.17
1889,	3.22	1.61	2.99	4.42	.....	.....	6.62	6.17	4.47	2.82	6.95	2.41	.....
1890,	2.06	3.41	.....	2.92	7.41	2.72	2.68	5.44	2.81	5.99	1.17	4.10	.....
1891,	5.26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1909,	.....	.....	.....	.....	.....	.....	0.76	1.98	2.34	2.52	1.21	2.11	.....
1910,	4.59	3.95	0.60	6.04	4.05	4.44	1.50	2.02	4.50	1.30	2.99	2.38	38.36
1911,	3.44	1.97	2.53	3.62	1.22	3.80	5.85	8.43	2.71	4.80	2.20	2.90	43.47
1912,	1.52	1.86	4.82	4.45	4.21	2.15	2.90	4.87	7.29	2.13	2.72	3.43	42.35
1913,	3.68	1.79	5.28	5.07	2.80	1.75	3.98	1.63	4.10	4.06	2.04	3.52	39.70
1914,	2.55	2.66	2.74	4.52	2.99	2.68	4.36	4.19	1.17	1.80	0.90	4.33	34.89
1915,	5.88	3.99	1.22	2.88	3.87	4.35	2.88	7.40	2.69	1.41	1.72	4.61	42.93
Means.	3.46	2.85	2.97	3.33	3.78	3.85	3.39	4.11	3.19	2.87	2.68	3.07	39.55

Cedar Run, Lycoming Co.—(Elevation 760 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	1.80	3.17	2.35	1.30	1.90	5.23	5.05	1.57	4.98	4.21	.....	0.85	.....
1897,	1.48	1.87	2.16	2.44	2.26	1.18	3.96	3.88	3.30	1.42	3.55	1.90	29.40
1898,	6.25	1.60	3.50	3.42	1.35	6.00	1.95	1.22	2.25	4.40	2.05	3.75	37.74
1899,	3.50	4.95	4.48	0.50	2.27	.....	0.81	2.43	2.15	2.30	0.75	0.85	.....
1900,	3.75	1.47	1.20	1.10	0.90	.....	.....	.....	.....	.....	.....	.....	.....
Means,	3.36	2.61	2.74	1.75	1.74	.....	.....	.....	.....	.....	.....	.....	.....

Center Hall, Center Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1895,	*4.36	*0.48	*1.25	*1.75	*2.26	5.70	3.60	4.70	2.10	1.20	2.33	3.94	33.67
1896,	2.18	*4.49	3.77	1.41	2.00	4.06	5.66	1.26	6.23	3.92	3.11	1.63	39.72
1897,	2.20	4.17	5.08	3.84	5.79	4.03	4.96	2.43	4.06	1.78	5.43	4.19	47.96
1898,	3.89	1.16	5.16	2.60	4.87	2.89	2.86	7.37	1.26	6.70	2.60	3.90	45.26
1899,	2.07	4.54	4.42	0.88	5.66	3.05	2.36	3.79	3.90	2.12	1.96	3.87	38.62
1900,	1.95	4.09	3.58	1.52	1.92	3.70	3.48	2.56	0.88	*3.56	*4.42	*1.96	33.62
1901,	*2.06	*0.92	*3.86	*4.83	*6.20	*3.18	5.45	11.30	2.73	0.71	2.46	*6.20	49.90
1902,	1.50	*3.11	*5.02	*3.02	*1.43	*6.49	*6.70	*1.41	*3.81	5.20	0.80	*4.86	43.35
1903,	*3.26	3.21	3.90	3.35	1.10	7.59	3.91	6.61	3.19	3.75	1.89	1.84	43.60
1904,	2.90	2.07	4.91	5.18	2.38	3.79	5.72	3.01	1.26	*2.08	*0.49	1.32	35.11
1905,	2.07	1.19	2.52	2.81	2.87	4.63	3.73	4.76	2.21	3.50	2.43	4.21	36.93
1906,	2.10	1.91	4.39	2.25	1.90	1.97	6.78	3.64	2.60	3.98	1.33	2.42	35.27
1907,	2.14	*1.51	*4.40	*2.58	2.19	5.23	1.54	5.19	5.06	1.88	2.64	3.23	37.59
1908,	1.93	4.25	*5.28	*3.52	*8.82	*1.57	*4.69	2.60	1.25	1.40	1.01	2.80	39.12
1909,	2.31	4.59	2.18	6.65	2.74	5.12	1.53	2.58	2.46	2.39	0.91	3.10	36.56
1910,	5.44	2.05	0.03	7.31	2.89	4.84	4.09	2.36	5.70	1.26	1.28	2.13	39.38
1911,	3.20	1.50	2.71	2.06	6.10	5.59	2.00	8.19	5.70	6.47	1.63	1.15	46.30
1912,	0.47	2.39	4.37	3.72	3.55	2.01	2.82	3.09	4.80	1.84	2.90	1.12	33.08
1913,	2.80	1.04	3.51	2.49	*4.00	3.26	*5.68	*1.15	1.78	5.03	3.00	1.50	35.24
1914,	*3.67	2.30	1.98	4.05	3.34	4.21	3.05	1.54	0.03	2.38	1.44	2.89	30.88
1915,	3.67	2.09	0.88	0.51	3.96	4.08	5.41	4.97	2.05	2.32	1.87	.....	.....
Means,	2.67	2.53	3.49	3.16	3.62	4.14	4.10	4.02	3.00	3.02	2.19	2.77	38.71

Note: *Interpolated.

Chambersburg, Franklin Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1860,	.....	3.67	2.09	3.97	6.34	1.36	2.56	4.86	5.14	4.99	4.18	2.94	.....
1861,	3.29	1.94	2.22	.....	4.21	2.28	4.01	3.62	3.64	3.54	3.54	0.34	.....
1862,	.....	.....	.....	5.46	.....	.....	.....	.....	.....	.....	.....	.....	.....
1875,	.....	.....	.....	.....	1.86	4.61	5.19	5.93	2.14	2.73	3.36	1.81	.....
1876,	0.51	1.50	4.20	.....	1.91	2.34	2.52	3.05	7.38	1.22	2.56	1.14	.....
1877,	2.57	1.62	3.43	3.30	1.50	6.59	2.05	2.26	3.12	4.67	7.59	1.37	40.07
1878,	2.54	2.76	3.31	3.87	2.78	2.71	2.10	3.89	1.58	4.39	2.91	3.95	36.79
1879,	2.06	2.42	2.90	2.08	3.40	2.83	2.33	5.10	3.60	1.76	0.72	3.96	33.16
1880,	2.38	3.24	3.45	3.07	2.52	4.81	6.68	4.76	2.61	2.94	3.65	2.79	42.90
1881,	3.47	2.61	3.75	1.90	2.12	6.30	4.28	1.33	1.35	2.80	1.36	5.06	36.33
1882,	4.56	3.97	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1883,	1.34	4.09	3.03	2.98	2.88	5.15	4.36	2.74	3.33	3.28	1.59	3.79	38.56
1884,	3.23	4.43	4.90	1.22	4.42	5.22	5.20	2.22	0.89	2.27	1.51	4.83	40.34
1885,	3.62	3.47	0.91	2.35	1.20	2.20	0.78	5.64	0.93	4.64	1.51	1.05	28.30
1887,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.04	4.47	.....
1888,	2.12	3.95	1.72	.....	5.55	2.37	2.90	5.45	.....	.....	2.88	.....	.....
1889,	.....	.....	.....	.....	.....	.....	.....	.....	4.13	3.24	5.73	2.03	.....
1890,	1.80	3.90	.....	1.55	5.55	.....	.....	.....	.....	5.48	1.21	.....	.....
1891,	2.27	2.54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1893,	.....	.....	1.53	4.49	6.24	1.80	2.12	2.61	2.30	3.85	.....	.....	.....
1894,	1.33	.....	1.17	1.96	7.94	3.17	0.84	4.79	2.82	5.44	1.28	2.65	.....
1895,	3.00	1.57	2.03	2.95	2.39	9.21	1.84	5.31	0.82	1.13	1.38	1.44	33.07
1896,	1.10	2.81	4.58	0.97	3.05	7.19	4.09	0.99	2.52	1.52	4.20	0.48	33.50
1897,	1.84	4.07	3.40	2.79	6.03	1.22	4.32	6.02	3.08	2.19	5.28	1.93	42.17
1898,	2.61	1.38	4.33	1.36	4.73	0.64	3.57	7.66	1.19	5.67	3.15	3.23	39.52
1899,	1.82	4.86	4.23	1.23	5.99	5.97	3.04	4.51	4.88	1.35	2.15	2.47	42.50
1900,	1.95	3.42	3.79	1.92	1.13	2.82	3.10	4.60	0.56	2.03	3.02	0.40	28.74
1901,	1.54	0.27	2.74	9.18	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914,	.....	.....	.....	.....	.....	.....	.....	.....	1.20	1.33	1.86	4.33	.....
1915,	6.31	4.20	1.96	1.63	4.22	4.15	2.64	6.99	3.64	2.47	2.30	4.40	44.91
Means,	2.49	2.99	2.98	2.87	3.82	3.86	3.21	4.29	2.72	3.12	2.80	2.65	37.81

Charlesville, Bedford Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	4.06	1.92	3.42	2.14	4.83	3.00	3.99	7.05	3.37	2.52	3.01	1.63	40.92
1889,	3.74	1.53	4.16	4.76	11.07	4.26	4.19	1.06	.....	.....	5.03	1.63	.....
1890,	1.52	2.81	5.46	2.74	5.65	1.87	1.53	2.58	4.05	5.42	1.57	3.83	39.03
1891,	2.63	4.10	7.89	1.55	.....	4.42	6.61	5.51	4.55	.....	.....	.....	.....

Cheat Haven, Fayette Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.33	.....
1913,	7.18	1.51	3.09	2.47	7.14	3.06	6.27	0.70	2.69	4.79	4.01	2.78	45.69
1914,	2.67	2.36	1.44	4.66	3.31	3.08	5.08	4.40	1.13	2.47	0.57	6.20	37.37
1915,	5.48	2.61	0.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Chromedale (Near Media), Delaware Co.—(Elevation 196 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1848,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.08	.....
1849,	0.81	2.65	4.54	1.47	4.48	2.86	2.31	6.02	0.48	8.66	2.50	6.24	43.02
1850,	4.52	4.14	4.47	2.69	5.56	3.47	6.29	6.81	7.57	0.97	2.65	4.65	53.79
1851,	1.59	4.17	2.97	4.91	5.70	3.17	4.69	2.61	1.07	3.87	3.59	2.43	40.77
1852,	1.36	2.45	3.81	5.07	3.18	4.37	2.84	7.15	2.20	2.21	7.24	5.42	47.30
1853,	1.59	5.35	1.98	3.65	5.53	1.06	6.89	2.96	4.33	4.02	2.03	1.42	40.81
1854,	3.49	6.17	1.30	6.58	5.56	2.71	4.30	3.02	3.41	1.60	3.37	3.41	44.92
1855,	2.41	2.36	1.66	2.30	4.30	9.32	4.06	2.48	3.92	5.35	2.01	6.41	46.58
1856,	2.46	1.17	1.74	3.36	3.06	1.84	2.49	5.46	4.91	1.18	2.96	3.66	34.29
1857,	2.66	1.38	1.55	5.65	5.80	6.59	1.77	8.26	1.03	3.71	1.51	5.69	45.60
1858,	3.09	1.65	0.83	.....	.....	.....	.....	.....	1.91	1.14	6.01	.....	.....
1859,	6.74	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	2.79	3.15	2.48	3.96	4.80	3.93	3.96	3.97	3.08	3.27	3.39	4.44	43.22

Note: These data are also in West Chester record and included in means for that station.

Claridge, Westmoreland Co.—(Elevation 1,080 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	.....	.....	.....	.....	.....	.....	.....	6.26	1.21	2.07	1.32	4.78	.....
1915,	3.91	4.35	1.60	1.30	5.48	4.55	4.87	*4.09	.....	.....	.....	.....	.....

Note: *Discontinued August 31, 1915. This station maintained and operated by Water Supply Commission of Pennsylvania.

Clarion, Clarion Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	4.88	1.79	.....	2.82	3.46	.....	.....	.....	2.82	5.15	.....	2.75	.....
1889,	3.35	2.10	2.27	4.53	4.59	8.12	6.21	2.85	3.51	4.47	3.61	3.78	49.39
1890,	5.72	4.90	4.36	4.78	9.57	2.36	2.51	7.38	6.87	6.81	3.18	3.18	61.62
1891,	2.93	7.02	4.04	2.84	1.35	6.93	8.98	4.16	2.51	2.47	4.31	4.66	52.20
1892,	3.20	3.70	3.83	2.25	8.75	7.21	2.90	2.18	3.59	1.46	3.58	1.62	44.27
1893,	2.90	9.26	4.20	6.91	5.09	6.50	6.27	4.12	2.53	3.46	2.54	4.78	58.56
1894,	4.19	2.97	2.10	4.41	8.02	2.88	2.34	0.44	12.36	2.95	2.61	3.94	49.21
1895,	4.13	2.48	2.24	2.56	2.28	4.27	5.05	3.55	4.60	0.66	4.33	.....	.....
1901,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.69	4.00	.....
1902,	1.88	1.98	3.70	3.49	3.54	6.14	10.17	2.26	2.33	3.48	1.82	5.99	46.77
1903,	4.31	3.96	5.66	3.34	2.10	6.10	5.18	6.76	1.48	3.22	4.12	2.07	48.30
1904,	3.98	3.78	6.46	5.72	3.92	3.72	6.06	4.61	1.00	1.70	0.68	2.99	44.62
1905,	3.30	2.58	4.60	2.72	2.96	5.46	8.70	3.68	3.38	5.24	3.50	4.22	50.34
1906,	2.68	0.68	3.04	2.86	3.36	1.40	2.86	8.22	3.78	3.70	1.94	3.89	38.41
1907,	5.28	1.62	4.18	3.28	2.76	5.38	3.02	1.60	5.10	3.82	2.21	2.92	41.17
1908,	2.86	4.60	6.24	3.90	5.62	1.84	5.28	1.46	1.30	0.46	1.16	2.64	37.36
1909,	3.64	4.00	2.94	6.44	2.25	5.73	2.21	0.12	.....	.....	.....	.....	.....
1910,	7.90	4.40	0.82	3.62	3.01	1.09	0.42	2.79	5.44	2.96	3.42	3.64	39.51
1911,	4.32	3.01	2.87	4.12	0.89	3.64	2.57	9.46	7.44	6.69	3.18	2.93	51.12
1912,	1.52	1.22	3.12	4.62	1.72	2.57	8.45	4.85	4.31	2.95	1.01	2.50	38.84
1913,	6.70	2.56	6.05	2.85	2.78	7.61	4.54	1.20	1.27	5.08	3.58	2.35	46.57
1914,	3.54	2.42	2.44	6.20	3.68	4.50	3.34	5.18	1.24	2.75	1.69	5.27	42.25
1915,	3.93	2.72	1.99	0.70	3.38	3.99	5.21	5.44	2.63	3.03	3.53	5.00	41.55
Means,	3.96	3.35	3.67	3.86	3.87	4.64	4.87	3.92	3.78	3.45	2.89	3.58	45.84

Claysville, Washington Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1904,	.....	.....	.....	3.08	3.74	4.70	6.92	2.09	2.24	1.80	0.27	2.65	.....
1905,	2.68	1.16	3.02	3.46	3.43	8.12	3.71	4.76	2.34	3.79	2.83	3.19	42.49
1906,	1.93	1.01	3.50	2.74	1.97	5.21	3.63	4.53	3.14	3.36	1.12	3.04	35.18
1907,	3.92	1.54	7.66	3.49	3.83	4.43	6.10	3.96	5.68	2.84	2.08	2.80	48.33
1908,	1.80	4.25	7.35	4.64	4.30	2.66	6.97	4.16	0.53	1.65	0.52	2.77	41.60
1909,	3.41	5.58	3.05	4.52	3.20	3.50	3.43	2.17	1.47	2.12	0.77	2.23	35.45
1910,	6.94	4.51	0.13	2.65	4.71	3.11	2.88	2.17	3.74	1.92	1.57	2.77	37.10
1911,	4.23	2.09	2.70	4.51	2.40	3.41	1.69	7.88	4.84	6.68	2.57	3.64	46.64
1912,	2.10	1.78	4.77	4.90	1.34	4.61	8.95	4.65	3.87	1.52	1.03	2.71	42.23
1913,	6.35	1.82	3.97	3.28	4.04	1.10	8.00	1.80	2.49	4.36	3.63	2.05	42.89
1914,	3.38	2.83	2.48	4.41	3.17	3.57	1.35	5.39	2.11	3.17	1.61	5.38	38.85
1915,	4.41	2.13	1.07	1.64	5.04	4.93	6.02	2.91	3.34	2.92	2.47	3.87	40.75
Means,	3.74	2.61	3.61	3.61	3.43	4.11	4.97	3.87	2.98	3.01	1.71	3.09	40.74

Clearfield, Clearfield Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1905,	2.70	1.34	4.82	2.44	3.20	6.02	.....	.....	.....	.....	.....	4.29	.....
1906,	2.56	0.64	4.35	3.58	2.74	2.36	.....	.....	.....	.....	.....	3.37	.....
1907,	4.88	1.73	6.54	1.88	2.90	5.56	.....	.....	.....	.....	.....	.....	.....
1908,	.....	.....	4.35	3.59	10.25	2.72	4.11	2.72	0.83	0.49	0.91	3.22	.....
1909,	2.57	5.42	3.32	6.84	.....	3.07	2.52	2.11	1.25	3.26	0.98	3.54	.....
1910,	5.46	4.51	0.88	.....	.....	.....	.....	.....	6.74	1.17	3.30	2.75	.....
1911,	4.00	2.75	2.90	3.97	1.34	3.34	1.47	6.60	5.93	4.59	.....	.....	.....
1912,	1.65	2.56	.....	.....	.....	.....	.....	.....	.....	.....	1.42	2.37	.....
1913,	8.90	1.83	4.82	.....	.....	.....	.....	.....	.....	.....	3.43	1.62	.....
1914,	4.17	1.99	3.18	4.68	3.94	3.38	2.61	4.20	0.85	2.96	1.61	5.44	39.01
1915,	6.32	4.39	1.81	0.78	4.84	4.50	5.64	4.95	3.41	4.16	1.71	4.15	46.66
Means,	4.32	2.72	3.70	3.47	4.17	3.87	3.27	4.12	3.17	2.77	1.91	3.42	40.91

Cloe, Jefferson Co.—(Elevation 1,415 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.89	.....
1914,	2.64	2.34	2.24	3.56	3.66	4.64	2.84	3.20	0.60	1.66	1.43	3.75	32.56
1915,	4.19	3.16	1.14	1.42	3.95	5.30	4.75	3.97	1.78	2.08	1.74	3.70	37.18

Note: This station is maintained and operated, in co-operation with the Buffalo, Rochester and Pittsburgh Railway Co., by the Water Supply Commission of Pennsylvania.

Coatesville, Chester Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	.....	.....	6.28	2.02	2.89	1.76	3.91	4.20	6.99	2.93	3.36	5.25	.....
1889,	4.33	1.85	4.49	7.08	5.29	5.99	12.93	3.05	9.12	4.61	8.60	1.60	68.94
1890,	2.67	4.88	7.29	2.39	7.85	3.07	3.77	4.77	3.36	6.34	1.07	3.51	50.97
1891,	6.59	5.31	7.61	2.25	3.64	3.60	11.61	4.08	3.38	3.46	1.78	3.85	57.16
1892,	6.76	1.16	5.30	2.13	5.97	2.28	6.92	2.37	3.15	0.48	6.29	2.52	45.33
1893,	3.19	5.74	2.88	5.50	3.86	3.93	2.70	4.68	3.67	4.08	5.69	3.68	49.60
1894,	2.25	4.60	2.08	4.20	11.75	2.29	4.61	2.89	8.42	5.57	2.73	4.70	56.06
1895,	5.08	2.93	3.48	4.63	3.65	4.76	2.20	2.65	1.42	3.34	1.39	2.98	38.51
1896,	1.36	6.54	5.01	1.38	2.62	2.85	3.04	0.63	8.31	2.96	4.25	0.59	39.54
1897,	2.79	4.91	2.15	3.39	7.28	2.92	6.47	3.00	1.63	2.60	5.83	4.96	47.93
1898,	4.54	3.48	2.95	3.70	4.89	1.46	3.21	7.03	2.73	4.76	6.59	4.45	49.79
1899,	3.57	10.22	7.66	1.89	2.77	2.20	3.46	4.52	5.70	1.74	2.38	2.16	48.27
1900,	3.28	7.75	4.24	2.19	4.73	2.88	5.31	5.60	2.62	1.45	2.62	2.47	44.54
1901,	3.12	1.03	5.73	5.88	5.30	2.55	5.51	8.49	5.00	1.73	2.82	9.24	56.40
1902,	3.64	6.92	5.00	4.71	1.75	6.40	3.19	2.78	8.31	6.78	2.28	7.73	59.49
1903,	4.60	5.29	3.60	4.38	2.18	5.80	5.55	4.94	1.90	6.22	1.26	4.16	49.88
1904,	3.68	2.24	3.74	2.22	3.08	4.66	3.91	4.86	5.67	6.18	3.22	3.08	46.54
1905,	7.25	2.39	3.54	3.38	1.19	3.57	4.24	6.83	3.65	5.13	2.16	3.79	47.12
1906,	3.54	3.17	5.26	3.99	4.55	7.18	5.49	8.49	0.71	6.37	1.50	5.34	55.59
1907,	3.41	4.37	3.81	2.93	2.77	6.92	3.42	2.64	8.24	3.04	7.52	5.51	54.58
1908,	3.45	5.99	4.00	2.35	6.18	3.68	4.32	5.52	1.95	1.86	1.22	3.36	43.88
1909,	3.21	4.46	3.97	3.43	3.10	3.52	1.16	0.46	2.59	1.77	1.97	8.50	38.14
1910,	5.64	4.04	0.49	5.92	2.66	5.78	2.96	5.13	1.77	3.09	3.17	2.85	43.50
1911,	3.50	2.24	3.40	3.83	1.23	5.70	4.17	9.05	3.29	4.37	4.36	3.95	49.09
1912,	2.79	2.58	7.20	3.32	4.39	4.61	5.24	4.85	5.12	3.36	2.82	4.79	51.07
1913,	4.28	2.45	4.91	7.52	5.01	2.12	2.19	4.39	2.76	5.20	2.41	3.03	46.27
1914,	4.62	3.84	3.51	3.77	1.40	2.98	10.29	2.67	0.26	1.57	2.34	5.98	43.23
1915,	6.27	5.73	1.39	2.74	5.49	5.85	4.24	9.84	1.85	1.85	1.96	4.70	51.91
Means,	4.05	4.30	4.32	3.68	4.19	3.98	4.86	4.66	4.06	3.67	3.32	4.24	49.33

Confluence, Somerset Co.—(Elevation 1,332 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1875,	1.74	2.18	3.97	2.26	2.35	2.79	7.79	4.69	1.54	2.51	4.03	3.28	39.13
1876,	3.62	4.24	3.15	3.42	4.21	3.94	6.15	1.99	10.09	1.83	2.12	1.64	46.40
1877,	4.01	1.59	4.70	2.87	2.14	7.13	6.35	1.11	3.17	4.00	6.06	1.88	45.01
1878,	4.47	0.63	3.24	3.74	3.15	2.43	4.35	2.52	2.66	3.96	6.08	3.84	41.07
1879,	2.66	3.08	5.82	1.56	1.49	3.50	4.48	5.06	1.16	1.76	2.67	5.53	38.77
1880,	6.06	4.45	4.27	3.41	2.39	6.69	5.45	4.88	3.60	2.18	1.97	3.83	49.18
1881,	2.99	3.51	2.28	1.97	3.83	9.91	3.62	0.08	1.17	3.68	2.24	5.99	41.27
1882,	7.90	6.07	6.80	2.07	5.97	5.51	3.26	5.20	1.88	1.93	2.33	3.18	52.10
1883,	4.23	6.57	3.03	4.42	4.78	3.72	6.86	3.87	2.87	3.34	2.49	3.63	49.81
1884,	4.07	6.50	5.19	2.84	2.79	1.78	6.29	1.92	1.56	2.68	1.63	4.90	42.15
1885,	5.79	2.76	2.42	3.20	3.27	1.82	2.70	5.45	1.10	4.34	2.80	3.67	39.32
1886,	3.42	2.49	3.27	2.78	4.96	5.53	3.54	4.51	4.11	1.07	5.50	2.89	44.07
1887,	2.09	7.19	1.42	4.43	4.19	.....	3.49	2.99	4.21	1.17	1.33	1.52	.....
1888,	7.62	2.02	3.30	2.70	5.38	3.40	.....	.....	.....	5.47	3.05	2.25	.....
1889,	1.99	2.63	1.98	3.21	4.46	4.69	4.22	3.38	1.90	3.33	4.82	3.35	39.96
1890,	4.63	5.23	6.94	4.75	6.12	3.38	2.88	5.75	5.84	8.06	2.55	4.06	60.19
1891,	4.51	8.00	4.36	3.12	3.73	6.83	6.57	5.92	3.62	3.31	3.45	4.06	57.48
1892,	3.09	2.92	3.26	4.74	5.07	4.93	4.18	2.54	1.57	0.90	3.18	2.06	38.44
1893,	2.37	5.71	1.36	6.37	6.64	2.89	2.65	3.25	2.46	3.99	2.72	2.98	43.39
1894,	3.15	3.57	2.36	4.94	5.86	2.90	3.00	1.37	3.48	2.71	2.87	5.93	42.14
1895,	2.98	1.43	4.03	3.57	1.94	4.28	6.18	3.75	0.68	0.67	3.02	2.58	35.11
1896,	1.27	3.32	4.21	2.89	4.03	4.77	12.11	2.47	6.77	2.52	3.88	1.98	50.22
1897,	3.54	5.88	4.38	3.33	3.91	2.48	6.46	2.56	2.56	0.43	5.89	4.36	45.78
1898,	6.79	2.40	6.79	2.83	4.35	3.14	4.59	8.26	2.20	5.22	3.41	3.19	53.17
1899,	4.37	3.34	6.13	2.41	5.71	4.18	6.64	2.53	5.68	0.70	3.90	3.32	48.91
1900,	2.44	4.02	3.97	1.66	2.06	5.88	8.26	2.38	1.45	3.08	6.68	2.15	44.03
1901,	2.91	1.25	4.35	5.86	6.32	1.99	3.55	4.07	2.49	0.85	2.88	4.65	41.17
1902,	2.80	2.70	4.44	5.08	4.37	4.08	5.56	2.17	2.39	4.45	1.65	6.23	45.92
1903,	4.82	1.98	3.06	3.66	3.16	3.74	5.90	3.22	1.64	2.64	2.91	1.54	38.27
1904,	2.87	2.66	4.18	3.20	4.03	1.62	2.34	4.08	1.20	1.53	0.43	3.24	31.38
1905,	3.94	2.22	4.98	3.59	3.80	6.64	6.43	5.82	1.98	4.36	3.68	3.65	51.09
1906,	4.30	1.15	4.81	4.19	3.56	4.36	3.79	8.14	3.34	2.28	1.67	7.08	48.67
1907,	9.69	3.53	7.64	3.82	4.06	5.99	5.02	4.32	3.24	2.24	3.22	3.66	55.83
1908,	3.16	3.87	6.44	3.92	6.54	3.14	7.24	3.00	0.80	0.08	0.82	3.10	42.11
1909,	3.04	4.30	2.90	5.86	2.80	5.08	2.87	6.30	2.68	3.06	0.72	3.34	42.95
1910,	6.82	2.36	0.38	3.38	3.16	5.56	2.70	1.88	4.54	1.48	1.82	2.22	36.30
1911,	5.16	2.38	2.34	4.73	1.17	9.18	1.98	8.00	6.91	5.72	2.08	4.20	53.85
1912,	1.81	2.72	6.00	3.11	3.63	6.11	8.20	4.99	7.11	1.48	1.86	2.48	49.59
1913,	6.26	1.96	3.22	3.28	5.27	3.11	4.24	2.44	3.39	6.21	4.38	2.52	46.28
1914,	1.84	3.27	2.91	5.07	2.80	5.13	2.31	3.48	0.80	2.67	1.29	4.02	35.62
1915,	4.77	3.21	1.36	2.34	5.70	2.71	4.27	2.50	1.98	3.85	2.58	5.40	40.67
Means,	4.05	3.45	3.94	3.58	4.03	4.42	4.96	3.82	3.05	2.87	2.99	3.53	44.69

Coopersburg, Lehigh Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.22	.....
1890,	2.88	5.32	7.92	3.21	7.93	3.14	5.53	6.72	4.18	6.04	0.95	3.76	57.58
1891,	7.29	4.57	6.54	2.50	2.25	2.33	6.07	7.16	2.04	2.74	2.27	4.83	50.59
1892,	6.98	1.05	4.77	1.58	5.12	4.42	3.48	4.05	3.56	0.60	6.78	.....	.....
1893,	4.26	6.50	2.53	4.07	5.42	2.86	1.96	6.22	3.23	3.26	3.89	2.64	46.84
1894,	1.69	4.26	1.60	3.18	14.78	2.58	2.65	2.43	5.86	5.62	2.75	5.04	52.44
1895,	4.19	1.71	2.60	5.40	3.08	2.40	4.00	3.29	0.75	4.08	2.32	3.22	37.04
1896,	1.13	6.88	5.43	1.35	4.15	3.45	8.46	0.66	6.08	3.29	4.87	1.04	46.79
1897,	2.62	3.73	2.77	3.59	8.74	4.33	6.48	2.92	2.07	2.65	6.80	4.76	51.46
1898,	4.41	3.82	2.55	3.98	7.05	1.04	2.70	5.03	0.91	6.05	7.22	3.78	48.54
1899,	4.73	5.15	6.82	1.85	3.14	3.17	4.53	4.88	7.25	1.48	2.20	1.69	46.89
1900,	3.31	5.48	3.70	1.94	2.72	1.35	6.76	2.33	1.86	2.20	2.12	2.59	36.36
Means,	3.95	4.41	4.29	2.97	5.85	2.82	4.78	4.15	3.44	3.46	3.83	3.23	47.18

Coraopolis, Allegheny Co.—(Elevation 720 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1907,	4.74	.....	5.89	1.89	.....	3.58	6.29	1.57	.....	.....	.....	.....	.....
1908,	1.90	3.79	5.70	3.27	4.15	1.96	3.68	2.86	0.90	1.17	0.88	2.56	32.82
1909,	3.50	5.76	3.37	5.07	2.55	3.87	2.01	1.81	0.73	1.45	0.90	2.75	33.77
1910,	5.47	3.25	0.48	2.53	3.39	2.19	1.45	1.57	5.32	1.73	1.28	2.76	31.42
1911,	3.56	1.95	2.03	5.22	0.89	3.37	1.34	5.09	8.70	4.80	2.42	3.86	43.23
1912,	1.59	1.45	4.36	4.06	1.90	3.79	6.36	3.03	3.05	2.01	0.70	2.70	35.00
1913,	5.59	2.09	5.80	2.54	3.45	1.25	5.68	2.63	1.68	3.62	2.67	2.63	39.63
1914,	2.32	3.03	2.50	4.16	3.26	5.21	1.65	3.88	1.62	3.37	1.28	4.25	36.53
1915,	3.96	2.36	1.31	1.16	4.15	6.60	5.41	3.25	1.28	2.53	2.28	3.80	38.09
Means,	3.63	2.96	3.49	3.32	2.97	3.54	3.76	2.85	2.91	2.58	1.55	3.16	36.72

Corry, Erie Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1886,	4.61	2.34	2.98	2.85	1.94	2.63	3.37	1.62	4.15	1.68	5.35	2.91	36.43
1887,	2.84	6.79	2.07	2.75	2.03	2.49	2.76	4.42	3.49	5.45	2.99	2.19	40.27
1888,	3.32	2.03	1.74	3.30	2.80	4.38	2.61	3.15	4.13	4.22	3.81	3.00	38.49
1889,	3.22	1.53	1.63	3.24	2.88	5.12	2.00	2.37	5.25	3.44	4.00	5.09	39.77
1890,	5.07	4.65	4.33	4.65	9.15	5.66	3.95	6.20	7.10	7.25	4.29	3.36	65.66
1891,	2.57	6.67	2.72	1.80	1.58	3.33	5.34	3.79	2.46	1.95	5.70	4.56	42.47
1892,	2.79	3.71	1.63	1.63	8.30	11.62	4.39	7.64	4.18	2.79	3.90	2.05	54.63
1893,	2.68	7.03	3.30	5.25	6.86	5.61	.....	.....	.....	.....	.....	.....	.....
1915,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.40	4.44	.....
Means,	3.39	4.34	2.55	3.18	4.44	5.10	3.49	4.17	4.39	3.83	4.18	3.45	46.51

Note: January 1886 to June 1887 record obtained at Columbus, Warren County.

Coudersport, Potter Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888.	.....	.....	.....	.....	.....	6.90	1.40	.....	3.00	4.60	2.10	.....	.....
1889,	4.80	1.90	.....	4.50	7.90	4.80	.....	3.80	2.90	3.80	.....	.....	.....
1890,	.....	5.90	4.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1903,	.....	.....	4.25	.....	1.06	4.50	5.58	4.71	1.92	4.30	3.94	.....	.....
1904,	.....	.....	4.60	3.35	4.26	2.80	4.86	5.55	5.09	2.48	0.60	.....	.....
1905,	.....	.....	.....	2.38	2.14	5.66	4.60	3.57	2.21	.....	.....	.....	.....

Creekside, Indiana Co.—(Elevation 1,105 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.32	.....
1914,	3.83	2.10	1.82	5.48	5.26	5.79	4.69	5.29	0.60	3.77	1.56	4.44	44.63
1915,	5.54	4.31	2.97	1.67	5.72	5.11	4.64	5.60	3.76	2.35	1.86	3.75	47.28

Note: This station maintained and operated, in co-operation with the Buffalo, Rochester and Pittsburgh Railway Co., by the Water Supply Commission of Pennsylvania.

Cresson, Cambria Co.—(Elevation 2,215 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.61	3.27	.....
1914,	4.03	3.01	2.84	5.55	3.45	4.10	3.61	2.47	1.02	2.93	1.75	4.06	38.82
1915,	6.36	2.90	1.75	1.17	6.34	5.58	3.13	3.24	2.30	3.18	2.43	4.07	42.45

Note: This station maintained and operated, in co-operation with the Pennsylvania Department of Health, by the Water Supply Commission of Pennsylvania.

Davis Island Dam, Allegheny Co.—(Elevation 720 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1891,	2.33	6.59	3.11	1.94	3.67	4.83	6.28	2.37	1.53	1.76	2.82	3.02	40.25
1892,	3.70	2.25	.....	2.07	5.14	3.38	3.81	1.32	1.90	0.54	2.37	2.34	.....
1893,	2.56	4.99	0.98	4.55	4.70	3.12	2.34	4.54	1.66	3.18	1.21	3.80	36.71
1894,	1.58	2.63	2.64	3.94	4.36	0.96	1.48	0.68	3.13	2.06	2.43	3.80	29.69
1895,	3.91	0.46	1.48	1.80	2.24	2.19	2.48	3.73	1.38	0.45	3.01	2.91	26.04
1896,	1.61	2.94	3.99	2.84	2.75	4.47	8.90	3.31	3.80	2.12	2.88	1.72	41.33
1897,	1.12	4.11	3.72	3.30	3.57	4.00	6.31	1.52	2.41	0.20	5.42	2.54	38.22
1898,	4.31	1.91	5.39	1.84	3.93	4.88	1.35	4.99	1.00	4.39	2.45	2.03	38.47
1899,	2.51	2.85	3.85	2.55	3.64	4.72	3.00	3.83	2.90	1.23	4.86	2.48	38.42
1900,	2.38	4.26	2.64	1.21	1.10	4.35	3.21	1.31	1.55	1.72	4.12	1.39	29.24
1901,	1.80	0.75	3.46	7.56	6.16	6.51	2.46	6.12	2.21	0.52	2.12	5.13	44.80
1902,	1.00	0.45	3.49	2.60	2.78	5.16	6.80	1.59	2.55	2.61	1.18	3.68	33.89
1903,	2.70	3.75	4.99	2.55	1.32	6.25	4.14	5.37	1.10	2.90	2.45	0.92	38.44
1904,	3.53	2.27	5.38	3.29	3.31	5.93	4.44	2.78	3.14	1.48	0.19	2.61	38.35
1905,	1.89	1.65	3.00	2.66	3.25	6.06	5.19	2.70	2.63	2.83	2.50	3.09	37.45
1906,	2.07	1.28	3.90	1.93	2.44	6.43	6.72	1.72	3.60	2.73	1.13	2.88	36.83
1907,	5.32	1.27	5.56	2.11	2.98	3.28	5.93	1.41	2.18	2.44	2.44	3.29	38.21
1908,	2.25	3.55	5.60	3.53	5.27	1.29	3.18	2.72	0.84	1.37	0.74	2.65	32.99
1909,	2.86	4.70	3.49	4.95	2.47	3.80	1.07	1.87	0.64	1.81	0.83	2.81	31.30
1910,	5.96	3.67	0.30	2.46	3.55	2.18	1.78	1.56	5.03	1.61	1.48	2.67	32.25
1911,	3.45	1.94	2.02	5.09	1.11	3.47	2.46	6.56	10.15	5.42	1.95	4.07	47.69
1912,	1.84	2.00	4.61	4.04	1.76	3.87	7.34	2.85	2.95	2.16	0.68	2.91	37.01
1913,	6.03	2.16	5.67	2.58	3.31	0.97	5.53	2.22	2.57	3.72	2.81	2.86	40.43
1914,	2.33	3.55	2.36	4.73	3.77	4.54	1.43	5.01	1.14	3.09	1.23	4.62	37.80
1915,	4.75	2.63	1.43	1.10	4.05	6.25	4.67	3.84	1.89	2.65	2.21	3.91	39.38
Means,	2.95	2.74	3.46	3.09	3.31	4.12	4.09	3.04	2.56	2.20	2.22	2.93	36.71

Derry Station, Westmoreland Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.11	2.95	1.53	.....
1897,	2.10	5.11	4.89	3.81	4.03	1.99	4.99	3.40	2.62	0.44	5.76	3.96	43.10
1898,	5.69	1.98	5.82	2.15	4.34	4.58	2.51	6.29	1.43	4.84	3.21	2.83	45.67
1899,	4.25	3.74	4.91	2.55	3.57	4.92	4.50	5.06	2.95	0.72	4.29	3.27	44.73
1900,	3.09	3.83	3.41	1.81	2.34	5.28	5.84	1.85	0.84	3.56	6.33	2.77	40.95
1901,	3.55	1.73	4.49	8.41	7.26	4.27	4.48	.....	.....	.....	.....	5.12	.....
1902,	4.18	3.38	4.60	4.97	1.38	6.25	7.23	3.53	2.79	5.17	1.30	4.86	49.09
1903,	2.81	4.86	4.02	3.91	1.64	5.04	5.92	5.19	1.63	3.02	2.72	1.62	42.38
1904,	3.09	3.50	5.26	4.74	2.96	3.34	6.21	2.93	1.45	2.56	0.48	2.58	39.10
1905,	3.54	1.98	4.26	3.28	4.56	7.93	5.89	5.26	2.92	4.43	2.87	4.27	51.19
1906,	2.67	1.35	3.79	2.29	2.32	8.09	4.86	4.03	1.83	2.88	1.09	4.56	39.76
1907,	6.83	2.04	7.11	2.63	2.23	5.99	6.13	2.93	5.28	2.67	2.88	3.49	50.21
1908,	2.42	3.51	8.01	4.60	6.20	4.61	4.45	3.14	0.76	0.28	0.56	3.19	41.73
1909,	2.54	4.53	4.03	6.31	2.86	3.37	2.50	3.21	1.55	2.73	0.99	2.24	36.86
1910,	7.39	3.27	0.44	3.41	2.79	2.65	2.25	1.79	3.52	1.98	2.22	2.84	34.55
1911,	4.44	2.13	2.65	4.48	1.30	5.07	2.99	4.21	6.69	4.87	2.61	3.96	45.40
1912,	2.32	2.19	6.32	4.56	2.26	4.48	9.09	6.00	6.23	4.28	0.92	2.55	51.20
1913,	6.38	2.15	3.75	2.56	4.59	3.01	3.95	1.89	5.43	5.23	3.87	3.77	46.58
1914,	2.68	3.13	3.25	4.89	3.38	6.07	2.58	3.66	1.06	1.93	1.59	4.83	39.05
1915,	5.83	2.93	1.72	1.26	5.16	3.50	4.92	2.37	2.21	3.30	2.42	5.15	40.77
Means,	3.99	3.02	4.32	3.82	3.43	4.76	4.81	3.71	2.84	3.05	2.58	3.47	43.80

Doylestown, Bucks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	4.32	2.05	3.77	4.92	4.82	5.82	11.87	4.28	8.61	4.27	10.05	2.30	67.08
1890,	1.55	4.29	5.09	2.51	5.41	5.59	4.65	5.41	3.28	6.26	1.09	3.38	48.51
1891,	2.29	4.89	5.55	1.92	3.43	3.66	6.30	8.68	1.98	4.22	1.87	4.29	49.08
1892,	5.65	1.17	3.32	2.00	5.43	3.79	3.86	2.97	2.41	0.17	7.51	1.76	39.94
1893,	3.29	5.97	3.24	4.66	4.28	2.98	1.32	9.99	3.05	2.94	4.50	2.33	48.55
1894,	1.72	4.28	1.38	3.30	11.41	1.35	2.06	2.77	8.78	4.84	2.60	3.89	48.38
1895,	3.98	1.29	2.77	5.03	2.64	2.97	3.11	2.89	0.73	3.17	1.89	1.40	31.87
1896,	1.03	7.47	5.04	1.65	2.67	4.07	5.34	1.32	5.89	2.19	3.96	1.07	41.70
1897,	1.89	3.73	2.58	3.80	7.89	4.99	8.11	3.87	1.67	2.60	4.95	4.68	50.76
1898,	4.13	3.62	3.08	4.16	5.94	1.18	3.11	7.26	1.95	5.14	6.28	3.74	49.59
1899,	4.02	.....	6.07	.....	.....	.....	.....	.....	7.30	1.93	.....	2.68	.....
1901,	2.35	1.51	4.80	5.34	6.06	3.29	7.20	8.18	4.30	0.96	2.85	7.96	54.80
1902,	4.00	7.43	6.16	3.28	1.83	6.13	4.03	5.14	6.33	7.77	1.59	7.94	61.63
1903,	4.45	6.12	4.98	4.27	9.56	5.42	6.30	4.82	3.33	8.15	1.34	4.31	54.05
1904,	5.11	2.89	4.26	3.61	3.41	4.70	9.19	8.39	3.74	5.59	2.82	3.01	56.72
1905,	4.21	2.43	4.62	4.15	1.10	2.81	2.88	9.45	4.65	3.79	3.02	3.46	46.57
1906,	4.68	2.86	6.56	4.52	3.34	10.29	5.26	5.62	2.55	8.39	2.10	4.89	61.06
1907,	4.81	3.16	3.44	4.22	4.19	6.19	3.60	2.37	9.69	4.92	5.89	4.77	57.25
1908,	4.52	7.51	4.84	3.41	7.24	2.19	5.70	6.75	2.25	4.26	0.96	3.92	53.55
1909,	4.03	4.81	4.52	5.46	3.91	3.62	1.89	2.56	3.06	1.28	3.33	4.52	42.99
1910,	6.78	5.39	0.89	7.93	2.27	4.49	0.16	8.29	4.91	2.11	4.04	4.19	51.45
1911,	4.31	2.46	3.32	4.31	1.98	5.11	3.59	14.00	3.04	6.47	3.57	4.37	56.53
1912,	2.28	3.26	9.71	4.77	2.69	1.72	2.84	6.76	5.62	5.27	3.90	5.83	54.65
1913,	3.85	3.68	4.03	7.28	4.05	1.95	6.04	4.52	5.43	8.68	2.75	3.35	55.61
1914,	.....	.....	.....	2.75	1.81	2.41	4.37	1.87	0.34	1.81	2.33	6.49	.....
1915,	6.19	6.15	1.48	3.33	4.25	2.28	6.37	9.09	1.26	2.19	1.90	4.74	49.23
Means,	3.81	4.10	4.22	4.10	4.10	3.96	4.77	5.89	4.08	4.21	3.48	4.05	50.77

Drifton, Luzerne Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1884,	4.30	4.30	4.04	4.36	3.62	2.88	6.77	4.79	2.50	2.67	3.83	4.76	48.82
1885,	5.25	3.39	0.76	1.99	2.30	2.00	2.70	7.44	1.39	5.66	5.46	2.82	41.16
1886,	6.42	3.47	5.15	4.11	8.00	2.60	4.35	1.82	3.69	3.64	6.52	2.64	52.41
1887,	3.49	3.12	0.67	3.02	2.84	4.85	5.91	5.17	2.37	1.16	2.10	3.91	38.61
1888,	3.79	2.63	3.11	2.68	5.69	4.18	2.16	11.27	7.63	4.75	4.84	2.05	54.78
1889,	3.74	1.46	2.61	5.89	6.80	4.99	9.55	4.77	5.56	5.74	7.39	2.11	60.61
1890,	1.94	3.60	4.81	3.25	8.07	3.64	5.92	5.30	3.55	5.50	.....	.....	.....
1891,	.....	2.90	.....	.....	.....	.....	.....	.....	.....	.....	4.98	6.53	.....
1892,	4.93	0.56	2.14	1.64	3.78	8.61	3.79	4.79	2.29	1.38	3.84	1.20	38.95
1893,	1.97	3.92	3.44	4.63	8.94	1.70	4.66	6.65	4.19	3.36	2.58	1.93	47.97
1894,	2.68	3.40	.....	4.52	6.75	2.87	1.75	1.15	4.65	5.15	2.52	1.28	.....
1895,	1.69	2.58	1.18	4.24	2.03	1.77	2.66	3.25	2.08	2.65	3.57	2.07	29.77
1896,	.....	3.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1897,	1.52	2.24	2.33	3.55	4.86	.....	.....	.....	.....	.....	.....	.....	.....
1898,	.....	.....	2.45	.....	.....	.....	.....	.....	0.86	.....	.....	.....	.....
1901,	1.90	0.55	5.00	3.60	6.20	.....	3.11	8.99	.....	.....	.....	.....	.....
1902,	.....	3.70	4.60	2.60	1.20	.....	7.00	.....	.....	.....	.....	.....	.....
1907,	3.50	2.23	4.35	1.26	2.33	5.67	2.87	2.99	5.42	1.98	4.25	6.70	43.55
1908,	2.25	5.93	4.06	6.31	6.75	2.62	5.15	2.47	2.77	3.24	0.79	2.64	44.98
1909,	3.62	6.01	3.62	8.42	3.82	4.40	2.04	1.76	3.93	3.98	1.90	3.86	47.36
1910,	7.01	4.69	1.24	7.10	4.46	4.20	1.47	2.95	4.51	1.90	2.84	3.12	45.49
1911,	4.33	2.44	2.69	4.23	3.55	6.95	4.71	7.87	4.07	5.50	4.56	4.40	55.30
1912,	2.55	2.52	6.03	6.85	3.29	2.65	3.11	8.42	5.80	3.73	3.32	5.30	53.57
1913,	5.73	2.45	6.38	7.91	3.25	2.37	4.50	2.76	4.39	5.54	3.73	2.55	51.56
1914,	2.40	2.56	3.07	5.25	4.05	5.59	7.51	4.48	0.88	2.24	1.88	4.87	44.78
1915,	5.36	5.48	0.94	3.59	3.96	2.87	7.58	10.76	1.79	1.41	2.70	6.53	52.97
Means,	3.65	3.17	3.25	4.39	4.63	3.87	4.51	5.23	3.54	3.56	3.68	3.56	47.04

Driftwood, Cameron Co.—(Elevation 816 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	1.91	3.05	2.89	1.84	2.96	6.97	7.08	2.40	7.43	3.26	1.90	0.91	42.60
1897,	2.18	2.18	3.63	3.58	4.40	2.48	9.29	3.07	3.66	1.26	4.36	2.74	42.83
1898,	3.26	1.95	7.58	2.45	4.05	2.90	3.29	4.83	0.85	6.51	2.43	3.06	43.16
1899,	1.85	1.65	3.60	1.02	4.85	3.35	3.67	2.10	3.26	0.40	4.08	4.04	33.87
1900,	2.78	2.66	4.10	1.22	1.95	0.85	3.48	3.61	1.25	4.08	4.23	1.93	32.14
1901,	1.97	0.45	3.15	5.30	5.97	2.94	3.68	7.53	4.03	1.21	1.48	5.30	43.01
1902,	2.18	1.20	3.82	3.02	2.08	6.18	7.83	2.74	3.25	2.15	0.92	3.47	38.84
Means,	2.30	1.88	4.11	2.63	3.75	3.67	5.47	3.75	3.39	2.70	2.77	3.06	39.48

DuBois, Clearfield Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1890,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.36	.....
1891,	3.02	5.98	3.08	2.66	1.71	6.90	5.75	4.61	1.95	3.68	4.07	4.88	48.29
1892,	3.72	3.47	3.66	2.90	7.31	5.76	4.14	2.57	1.59	0.92	3.92	1.66	41.62
1893,	3.17	7.50	2.70	4.34	4.66	4.10	3.90	3.73	2.61	2.33	2.60	3.47	45.11
1894,	3.52	2.47	1.96	3.79	7.98	3.41	2.15	0.74	7.72	2.74	2.27	3.22	41.97
1895,	4.83	1.58	1.95	4.41	2.24	5.24	2.29	2.54	1.60	0.76	3.37	3.73	34.54
1896,	1.38	3.65	3.87	2.58	1.86	5.22	7.46	3.79	5.21	3.05	3.67	1.98	43.72
1897,	2.18	2.83	.....	3.45	4.11	2.48	6.57	2.23	3.38	.....	.....	.....	.....
Means,	3.12	3.93	2.87	3.45	4.27	4.73	4.61	2.89	3.44	2.25	3.32	3.19	42.07

Duncannon, Perry Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1895,	.....	.....	.....	.....	1.99	2.27	1.40	2.01	1.69	1.70	1.67	3.67	.....
1896,	1.14	6.00	3.98	1.59	3.95	5.56	8.31	1.51	2.69	4.46	4.48	0.65	44.32
1897,	3.40	6.27	3.25	2.59	6.06	3.91	4.66	2.51	2.59	2.10	4.77	3.71	45.82
1898,	3.62	1.73	3.70	2.74	6.90	1.87	4.91	9.93	2.25	7.29	3.90	3.55	52.39
1899,	2.43	4.60	4.06	1.07	4.93	5.22	2.64	4.47	4.07	3.24	1.46	2.95	41.14
1900,	2.24	3.84	4.06	1.51	1.66	2.27	3.66	3.96	2.60	3.13	3.66	2.13	34.72
1901,	1.90	0.21	4.76	3.49	8.34	1.98	2.66	6.58	2.47	2.12	1.78	5.97	42.26
1902,	3.13	6.63	5.70	2.81	0.58	5.51	5.47	3.92	.....	.....	.....	.....	.....
Means,	2.55	4.18	4.22	2.26	4.30	3.57	4.21	4.36	2.62	3.43	3.10	3.23	42.03

Dushore, Sullivan Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1897,	.....	1.50	2.06	2.70	4.87	3.09	3.63	3.44	2.53	1.40	3.74	2.74	.....
1898,	2.57	1.91	3.42	3.47	3.63	3.30	2.80	6.08	1.89	4.86	3.53	2.37	39.83
1899,	1.94	3.48	3.79	1.82	2.20	3.13	2.03	3.79	2.80	1.36	2.84	5.09	34.27
1900,	1.97	4.01	3.19	1.05	2.31	4.10	4.68	2.25	1.13	2.35	3.38	2.09	32.51
1901,	1.10	0.78	4.37	5.50	6.90	3.34	5.34	10.59	3.33	2.71	2.87	7.13	53.96
1902,	2.58	4.45	5.66	3.91	1.16	7.39	8.95	3.28	5.29	3.37	1.20	4.65	51.89
1903,	2.61	4.02	3.36	2.66	1.25	5.34	5.05	5.29	1.52	4.98	2.38	3.48	41.94
1904,	3.34	0.99	3.26	2.68	4.94	.....	2.98	3.95	3.18	2.15	0.97	2.19	.....
1905,	4.42	0.85	3.51	2.83	1.88	4.46	.....	.....	.....	.....	1.08	2.95	.....
1906,	1.07	.....	.....	.....	3.41	4.03	6.27	3.60	1.12	3.85	1.46	2.57	.....
1907,	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.80	2.08	4.17	.....
1908,	2.76	4.41	1.58	2.01	5.93	2.15	4.71	3.13	2.00	2.30	0.20	1.95	33.13
1909,	1.66	4.13	2.52	4.64	2.40	5.59	1.25	1.64	2.18	.....	.....	.....	.....
Means,	2.37	2.78	3.34	3.02	3.41	4.17	4.34	4.28	2.45	3.01	2.14	3.45	38.76

Dyberry, Wayne Co.—(Elevation 1,100 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1866.	2.93	2.73	3.05	2.44	2.78	2.94	4.71	3.33	2.54	3.17	3.12	2.54	36.28
1867.	1.80	1.46	2.18	.....	.....	.....	.....	.....	.....	.....	.....	1.85	.....
1868.	3.13	1.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.54	.....
1869.	1.24	1.25	5.15	1.87	2.20	2.50	2.71	2.26	4.33	6.40	2.57	4.50	36.98
1870.	4.33	3.75	3.35	3.00	3.17	2.90	.....	.....	1.31	.....	.....	1.70	.....
1871.	1.97	1.76	5.78	2.58	2.65	2.51	7.68	5.22	1.18	2.40	2.70	1.41	37.84
1872.	0.50	1.10	2.25	2.65	2.85	3.51	4.89	4.68	3.60	3.79	1.77	2.48	34.07
1873.	4.01	1.89	3.00	3.35	3.15	1.13	4.05	4.26	3.82	5.59	2.83	2.35	39.43
1874.	3.66	2.60	1.75	5.07	1.28	2.17	6.77	1.40	2.42	1.72	2.43	0.95	32.22
1875.	1.51	1.60	3.58	2.02	0.36	1.31	4.30	5.98	1.14	3.62	2.50	1.98	29.90
1876.	1.13	3.95	4.08	.....	.....	.....	.....	.....	.....	.....	.....	1.70	.....
1877.	2.20	0.60	3.24	2.25	.....	.....	.....	.....	1.98	6.55	4.06	1.20	.....
1878.	4.75	2.15	3.18	1.27	4.47	2.97	6.28	2.02	4.01	2.08	4.30	5.02	42.50
1879.	2.05	2.65	2.64	2.55	2.03	2.40	4.60	1.69	2.29	1.42	3.31	4.72	33.35
1880.	2.69	2.89	2.71	2.63	1.71	4.35	3.16	2.56	3.37	2.19	2.56	1.60	32.42
1881.	3.51	3.15	2.92	1.24	1.96	5.13	4.36	2.57	1.06	4.08	3.41	4.05	37.44
1882.	4.67	4.12	2.09	0.80	5.19	3.39	7.24	2.74	2.57	1.23	1.40	1.55	36.99
1883.	2.35	3.62	1.55	2.31	2.86	5.38	5.02	0.95	2.45	3.68	2.27	2.33	34.77
1884.	3.75	5.59	3.93	3.00	3.86	1.27	6.02	3.43	2.53	2.34	2.48	3.74	41.94
1885.	4.52	2.75	1.03	2.48	2.35	3.92	1.70	8.77	1.04	3.52	4.41	2.23	38.72
1886.	2.85	2.43	3.51	1.89	4.41	1.21	2.84	1.98	5.06	2.42	7.10	2.32	38.02
1887.	4.00	4.89	3.55	2.20	2.62	3.91	9.28	5.03	2.18	1.24	2.60	4.19	45.69
1888.	4.38	3.07	4.01	2.98	3.86	2.07	4.19	7.46	6.49	3.97	4.61	3.40	50.49
1889.	.....	.....	1.74	4.55	4.72	4.24	6.53	2.85	4.18	3.75	5.80	2.91	.....
1890.	2.74	3.74	5.00	2.53	5.56	4.24	4.45	6.35	4.40	7.39	1.68	5.29	53.37
1891.	5.35	4.97	4.19	2.42	2.27	1.85	3.88	4.75	2.37	3.41	1.85	4.17	41.43
1892.	5.65	1.29	4.14	1.54	5.79	6.07	2.91	4.64	2.10	0.82	3.48	1.76	40.19
1893.	2.12	6.58	3.30	3.65	6.21	3.06	4.62	4.45	3.58	2.17	2.17	3.32	45.23
1894.	1.95	2.73	1.55	2.51	6.25	2.86	1.26	1.27	4.40	5.43	2.21	3.89	36.31
1895.	2.95	0.74	1.44	3.22	2.52	3.10	1.78	3.64	0.95	2.46	3.04	3.02	28.86
1896.	1.43	5.10	4.86	0.67	3.58	1.89	4.44	1.40	4.10	3.07	3.42	0.91	34.87
1897.	1.36	3.06	3.28	3.72	5.13	2.85	6.03	2.83	3.14	0.97	5.36	4.71	42.44
1898.	4.99	3.12	3.90	3.21	4.55	2.33	4.70	5.95	2.93	4.62	5.10	2.66	48.06
1899.	2.09	3.97	5.14	.....	.....	.....	.....	.....	4.90	0.69	2.36	1.95	.....
1900.	2.76	4.02	2.80	1.70	.....	.....	.....	.....	3.73	2.39	2.90	2.78	.....
1901.	1.98	0.91	4.20	.....	.....	.....	.....	5.65	3.32	1.28	2.15	6.66	.....
1902.	2.34	5.23	2.98	3.40	.....	.....	7.27	3.08	8.41	4.77	1.23	5.84	.....
1903.	3.62	4.75	5.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	2.95	3.02	3.30	2.55	3.46	3.05	4.75	3.77	3.17	3.17	3.13	2.98	39.30

Eagles Mere, Sullivan Co.—(Elevation 2,060 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	6.16	3.87	4.34	3.47	3.70	2.69	3.92	9.25	6.34	9.18	6.22	4.77	63.91
1889,	4.92	3.87	1.85	5.71	9.21	.....	6.30	2.82	9.35	8.61	9.27	3.28	.....
1890,	4.57	6.20	7.61	4.23	8.97	3.72	4.24	7.28	7.11	8.41	1.64	7.02	71.00
1891,	5.50	5.46	5.88	3.15	2.67	.....	.....	.....	.....	.....	.....	.....	.....
1892,	6.19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1913,*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.25	.....
1914,	2.74	2.83	2.73	6.80	4.59	4.45	5.09	3.92	0.90	3.58	1.39	5.30	44.32
1915,	7.14	5.51	1.37	2.04	3.67	6.99	5.48	7.29	2.32	2.05	2.05	4.75	50.66
Means,	5.32	4.62	3.96	4.23	5.47	4.46	5.01	6.11	5.20	6.37	4.11	4.90	59.76

Note: *From December, 1913, this station maintained and operated, through the courtesy of Capt. E. S. Chase, by the Water Supply Commission of Pennsylvania.

East Bloomsburg, Columbia Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	0.96	4.95	2.55	1.03	3.43	4.85	5.82	2.69	3.23	4.09	5.00	0.61	39.21
1897,	1.13	1.53	2.94	2.54	7.05	2.79	2.74	1.40	2.46	1.38	3.98	4.13	34.07
1898,	3.16	1.20	3.75	2.93	6.11	2.14	1.61	2.77	0.13	3.04	1.21	0.42	28.47
1899,	0.03	3.70	.....	1.09	3.32	2.90	3.69	5.62	3.62	1.63	.....	4.10	.....
1900,	1.67	2.91	2.80	1.50	1.83	3.50	3.26	3.23	0.25	2.83	.....	0.80	.....
1901,	1.32	0.06	3.41	3.45	5.59	2.33	1.64	11.03	2.42	2.56	2.18	6.10	42.09
1902,	2.37	5.24	1.65	1.93	0.93	6.60	4.83	1.50	6.33	5.91	1.32	3.48	42.09
1903,	2.68	3.63	2.81	3.11	0.65	8.58	.....	4.50	1.90	4.80	1.60	1.80	.....
1904,	4.55	1.30	2.65	3.29	3.18	2.33	4.02	3.02	3.96	3.24	0.92	1.77	34.23
Means,	1.99	2.72	2.82	2.32	3.57	4.00	3.45	3.97	2.70	3.28	2.32	2.58	35.72

Easton, Northampton Co.—(Elevation 325 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1856,	.....	0.72	.....	2.93	3.46	2.36	1.48	6.44	6.51	0.96	2.48	3.25	.....
1857,	3.32	1.70	1.04	5.74	7.34	5.76	3.94	3.46	1.07	3.15	1.48	5.26	43.26
1858,	2.26	1.05	0.69	3.12	6.60	4.45	4.15	2.68	2.69	1.82	4.84	4.22	38.57
1859,	3.76	3.35	6.89	4.98	2.15	4.10	4.09	5.01	6.93	2.23	3.61	4.56	51.66
1883,	3.20	3.87	2.40	2.94	2.68	4.62	4.86	2.36	4.27	5.22	1.61	3.36	41.39
1884,	4.73	4.77	4.97	2.38	2.28	2.87	5.19	5.91	1.01	3.96	3.26	6.07	47.40
1885,	4.74	4.18	0.77	2.40	2.29	2.74	2.63	7.76	0.59	5.37	4.03	3.30	40.80
1886,	3.08	5.28	4.11	3.37	7.14	3.93	4.65	2.63	1.33	2.37	5.80	3.86	47.55
1887,	3.01	5.79	3.34	2.25	3.96	6.10	11.28	4.30	3.24	1.41	1.55	6.01	52.24
1888,	6.45	3.91	3.95	3.96	3.18	1.49	2.83	9.39	11.75	2.97	3.79	4.17	57.84
1889,	5.36	2.26	3.61	5.21	6.08	3.77	10.48	5.27	6.40	4.51	9.90	1.12	63.97
1890,	1.99	3.75	6.39	3.42	5.98	4.72	5.79	6.00	3.22	5.65	1.26	3.38	51.55
1891,	6.42	3.74	5.02	2.41	2.78	3.22	4.48	5.13	1.85	3.42	1.77	4.77	45.01
1892,	5.30	1.08	3.84	1.70	4.53	4.57	2.38	3.70	2.73	0.54	6.06	1.62	38.05
1893,	3.56	6.46	3.10	3.86	4.82	1.66	3.51	5.29	2.92	2.62	3.21	3.24	44.25
1894,	1.88	3.39	1.25	1.90	8.70	2.54	0.53	2.04	6.57	5.47	2.70	3.55	40.52
1895,	3.56	1.55	2.16	3.91	2.58	3.10	5.02	2.29	0.74	4.62	2.22	2.47	34.22
1896,	1.03	6.24	3.99	1.23	4.41	3.98	10.28	3.47	4.49	2.38	4.46	0.49	46.45
1897,	1.92	1.28	0.82	1.20	5.75	3.26	8.04	3.20	2.49	1.85	6.20	5.63	41.64
1898,	4.71	3.70	3.07	3.25	8.03	1.90	4.89	5.06	1.18	5.64	6.22	3.12	50.77
1899,	4.03	3.41	4.41	1.92	2.51	3.90	2.89	5.87	6.14	0.82	2.32	2.04	40.26
1900,	3.72	5.78	3.18	1.63	2.50	2.27	6.83	3.55	1.72	1.60	2.51	2.32	37.61
1901,	2.14	0.71	5.44	4.39	5.89	2.29	3.11	6.96	2.71	1.19	1.53	6.90	43.26
1902,	2.49	5.80	3.37	3.35	2.22	6.50	4.52	3.65	8.31	5.35	1.26	7.22	54.04
1903,	4.13	4.23	4.44	4.38	0.77	9.15	6.65	5.42	1.43	7.96	1.34	3.62	53.52
1904,	3.06	1.53	3.22	3.35	3.00	3.25	4.40	9.64	4.92	3.57	1.88	2.79	44.61
1905,	4.70	1.16	3.89	1.90	1.05	2.34	3.21	5.14	4.64	4.18	2.52	2.71	37.44
1906,	2.70	2.33	4.34	3.92	4.51	4.91	3.98	3.93	2.39	5.17	1.25	5.06	44.52
1907,	3.40	2.15	2.83	3.42	2.79	3.84	1.01	3.14	8.68	4.28	5.46	4.44	45.44
1908,	2.81	5.63	2.97	2.75	6.43	2.30	4.81	3.97	2.30	2.52	0.70	2.51	39.70
1909,	3.72	6.01	3.02	6.01	2.82	3.77	3.02	1.51	3.07	1.04	*	*	.....
Means,	3.57	3.45	3.42	3.20	4.17	3.73	4.68	4.65	3.82	3.35	3.24	3.77	45.05

Note: *Station moved to Phillipsburg, N. J.

Edinboro, Erie Co.—(Elevation 1,212 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	2.67	5.08	4.91	4.36	1.80	7.71	5.39	1.80	.....
1914,	3.76	2.09	3.52	5.32	5.32	2.54	1.93	5.28	1.25	4.37	4.27	3.86	43.51
1915,	3.46	3.38	1.39	2.46	4.48	2.96	6.15	9.85	4.56	3.43	5.32	4.34	51.78

Ellwood Junction, Beaver Co., and Ellwood City, Lawrence Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1894,	2.24	2.14	1.89	2.60	2.72	1.51	3.30	0.39	4.83	1.99	1.88	2.75	28.24
1895,	4.25	0.47	0.99	1.66	1.75	2.60	4.28	3.34	1.19	0.68	3.22	3.33	27.76
1896,	1.67	2.13	3.74	2.65	2.36	5.93	5.24	2.99	2.89	0.94	1.95	1.83	34.32
1897,	1.68	2.81	2.63	3.82	2.61	4.71	10.94	2.65	1.70	0.04	4.94	3.07	41.60
1898,	4.77	2.25	6.67	2.08	4.51	6.96	3.70	5.51	1.07	4.33	2.57	2.56	46.98
1899,	2.22	1.52	3.81	1.83	4.81	5.17	2.79	5.18	2.61	1.11	1.60	2.50	35.15
1900,	2.01	2.93	3.20	1.00	2.75	3.59	7.88	2.92	1.29	1.86	5.67	1.80	36.90
1901,	2.67	0.85	4.34	8.35	6.30	6.23	1.82	7.06	3.11	0.23	3.09	3.79	47.84
1902,	1.46	1.35	3.48	2.63	3.05	5.67	5.70	2.79	1.50	3.16	1.12	4.21	36.12
1903,	1.50	3.54	4.50	2.16	4.12	6.28	6.24	4.10	1.06	2.58	2.02	2.18	40.28
1904,	3.20	2.52	5.24	5.66	2.94	6.29	3.00	3.49	1.85	1.68	0.64	2.47	38.98
1905,	1.72	2.35	3.66	2.96	3.54	5.48	4.34	1.92	3.38	4.67	2.16	3.32	39.50
1906,	2.13	1.26	3.18	2.38	2.46	3.04	6.26	6.64	3.17	3.76	1.58	3.15	39.01
1907,	5.52	0.98	6.18	4.30	4.84	4.94	2.38	1.40	5.60	2.39	1.74	3.02	43.29
1908,	1.80	3.46	6.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1909,	.....	4.81	3.04	5.59	2.45	4.22	2.25	1.84	0.40	1.71	1.56	2.44	.....
1910,	4.62	3.87	0.31	3.48	3.41	2.99	1.75	2.30	6.20	1.75	1.95	2.17	34.80
1911,	4.54	2.36	2.66	5.93	1.24	5.90	2.03	6.60	5.22	5.21	3.04	4.16	48.89
1912,	1.98	1.80	4.20	4.78	1.21	4.51	11.01	4.42	3.34	2.65	0.81	2.42	43.13
1913,	6.23	2.66	6.15	2.28	3.14	1.91	6.53	1.24	1.38	4.46	3.13	2.23	41.34
1914,	2.88	2.38	2.37	5.02	3.68	4.76	1.76	5.60	1.33	2.56	1.64	4.39	38.37
1915,	3.28	2.89	1.16	1.72	4.12	5.65	4.97	6.59	1.83	1.69	2.64	3.93	40.47
Means,	2.97	2.33	3.63	3.47	3.24	4.68	4.67	3.76	2.62	2.35	2.33	2.94	38.99

Note: On February 1, 1909, station re-established at Ellwood City, Lawrence Co.

Emporium, Cameron Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	.....	.....	2.88	2.91	4.63	6.57	2.17	4.28	2.57	4.15	2.56	2.94	.....
1889,	2.75	1.61	1.44	3.66	8.04	4.63	7.03	3.23	2.84	3.70	5.11	3.85	47.89
1890,	3.80	5.02	4.79	3.98	9.61	4.85	4.87	7.76	7.91	5.30	2.16	3.21	63.26
1891,	3.47	4.56	5.12	2.33	1.06	4.45	8.46	5.40	1.17	3.48	4.01	4.96	48.47
1892,	3.29	3.77	3.87	1.64	7.38	6.13	2.67	3.02	2.78	1.35	3.24	0.94	40.08
1893,	3.11	5.91	2.92	4.21	4.99	4.83	2.37	3.00	2.10	3.36	2.05	4.07	42.92
1894,	3.85	3.08	1.24	3.89	9.45	3.06	2.09	1.37	5.26	3.94	1.81	2.93	41.97
1895,	4.79	0.59	1.60	2.53	3.08	4.95	3.06	2.98	2.89	1.82	2.59	3.37	34.16
1896,	1.17	3.68	4.36	1.88	3.36	6.75	5.11	1.62	5.69	3.31	3.60	1.82	42.35
1897,	2.30	3.20	4.03	3.49	3.42	2.04	5.28	2.13	2.73	0.94	5.13	4.20	38.89
1898,	4.54	1.47	5.80	2.59	4.21	3.90	4.13	5.87	1.89	6.24	3.37	2.66	46.67
1899,	2.91	3.66	4.69	2.57	3.92	3.32	4.32	3.78	4.89	2.21	2.86	4.80	43.93
1900,	3.16	2.85	4.50	1.29	3.46	2.43	4.48	3.50	1.36	3.84	5.05	2.08	38.00
1901,	2.55	1.08	3.01	5.03	6.74	4.39	4.07	6.29	4.05	1.23	2.94	5.22	46.60
1902,	2.27	3.23	3.78	3.32	2.29	7.15	12.35	2.49	2.93	2.06	1.72	5.00	48.59
1903,	4.07	5.21	4.84	2.76	1.37	5.44	8.42	5.92	1.56	4.03	3.67	2.88	50.17
1904,	3.04	3.09	6.18	4.74	3.28	5.11	5.46	4.13	4.59	2.08	0.64	2.89	45.23
1905,	3.03	1.00	4.47	2.64	1.75	4.33	4.90	3.26	3.54	5.82	2.04	5.40	42.18
1906,	3.28	0.75	3.95	2.94	5.59	1.89	3.98	3.76	2.63	3.04	1.72	3.54	37.07
1907,	4.68	1.00	3.62	3.40	2.39	7.64	1.32	1.12	5.89	3.60	2.28	3.63	40.57
1908,	2.52	4.90	5.45	3.79	7.62	2.06	3.99	3.47	0.99	0.60	1.60	3.18	40.17
1909,	2.88	5.73	2.79	6.73	3.59	5.75	1.95	0.96	1.98	2.14	1.50	2.45	38.45
1910,	6.50	4.11	0.59	5.14	2.04	2.21	3.42	1.97	5.00	1.54	2.40	3.61	38.53
1911,	4.32	3.27	2.94	3.41	1.95	4.15	1.64	7.45	6.14	3.64	2.66	3.34	44.91
1912,	2.38	2.35	3.52	4.30	3.04	1.38	3.89	6.88	4.95	3.34	1.78	2.32	40.13
1913,	7.06	2.13	6.07	3.28	4.10	2.94	6.31	2.11	1.85	6.42	3.52	2.84	48.63
1914,	4.07	2.96	2.32	4.45	5.56	2.67	2.50	4.58	1.68	2.52	2.18	4.15	39.64
1915,	6.35	2.95	1.48	1.06	4.09	4.56	5.43	5.03	2.61	2.34	1.93	4.06	41.89
Means,	3.63	3.08	3.65	3.36	4.36	4.27	4.49	3.83	3.37	3.14	2.72	3.44	43.34

Ephrata, Lancaster Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1865,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.70	6.33	.....
1866,	3.87	4.57	1.43	2.46	2.92	7.31	1.70	3.73	4.47	1.95	3.45	2.20	40.06
1867,	1.72	4.28	6.14	2.16	8.37	6.53	3.02	14.86	1.25	2.72	0.37	2.47	53.89
1868,	1.23	2.10	2.37	2.16	3.67	1.90	2.48	.....	.....	.....	.....	.....	.....
1869,	3.55	4.88	4.56	2.82	4.16	3.24	3.29	1.44	4.83	8.97	3.19	5.87	50.80
1870,	3.39	2.49	3.73	5.72	3.50	4.73	3.83	3.65	4.48	2.82	1.59	2.00	41.93
1871,	3.13	2.24	6.59	2.29	4.29	5.40	6.08	8.98	1.88	2.14	3.44	2.10	48.65
1872,	0.89	1.03	1.55	2.50	4.52	5.23	4.26	6.68	5.26	4.62	4.73	3.49	44.76
1873,	5.50	4.27	3.22	.....	.....	.....	.....	.....	.....	3.80	3.16	.....	.....
1874,	3.52	.....	4.08	14.92	.....	.....	.....	3.50	3.41	1.20	3.44	1.96	.....
1875,	3.13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1876,	.....	4.00	4.02	.....	6.00	2.02	8.04	2.08	3.52	.....	3.75	.....	.....
1877,	1.80	2.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1899,	.....	.....	.....	.....	.....	.....	.....	.....	7.26	1.18	3.40	1.56	.....
1900,	2.31	5.15	2.56	1.64	5.07	2.89	6.23	3.23	1.33	0.80	1.89	2.32	35.42
1901,	2.40	0.77	3.66	3.73	3.94	1.58	5.61	6.12	2.96	1.25	1.39	5.67	39.08
1902,	3.25	5.73	3.68	3.43	1.72	5.82	3.10	6.44	4.50	7.42	2.20	6.17	53.46
1903,	4.43	4.93	3.87	3.10	0.97	5.14	3.77	7.13	2.09	3.95	1.51	2.70	43.59
1904,	2.95	1.64	2.61	2.46	3.97	5.61	6.17	3.67	3.69	2.92	1.16	2.61	39.46
1905,	4.49	2.00	3.98	3.11	1.60	2.59	3.74	8.28	2.30	4.36	2.81	3.20	42.46
1906,	2.55	2.75	4.23	3.72	4.43	5.18	1.97	4.50	2.04	6.01	0.65	5.53	43.56
1907,	3.09	2.44	2.99	2.16	2.40	5.55	4.16	3.33	6.61	3.01	4.15	4.39	44.28
1908,	1.88	3.62	.....	2.30	4.75	1.42	8.83	3.00	1.90	1.22	0.84	2.65	.....
1909,	2.31	4.68	2.10	4.22	2.72	4.29	2.70	0.67	4.64	2.33	1.48	3.84	35.98
1910,	3.31	4.15	0.26	4.40	3.06	7.46	2.13	4.61	2.38	2.30	2.23	2.23	38.52
1911,	2.99	2.22	2.40	3.50	1.01	4.46	5.02	8.82	3.97	3.90	3.37	3.18	44.84
1912,	1.48	2.07	5.69	2.70	2.19	2.69	6.50	2.91	5.08	2.50	2.28	4.35	40.44
1913,	2.37	1.29	6.36	5.52	3.27	1.60	2.06	2.96	4.76	5.33	1.43	3.14	40.09
1914,	2.42	2.94	2.22	2.93	2.18	4.00	3.78	2.75	0.58	1.78	1.45	5.26	32.29
1915,	6.33	5.78	1.24	2.33	3.52	4.65	3.41	11.59	3.08	3.98	1.74	3.01	50.66
Means,	2.97	3.24	3.42	3.60	3.51	4.22	4.24	5.21	3.53	3.30	2.44	3.53	43.21

Erie, Erie Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1873,	.....	.....	.....	.....	.....	2.19	5.12	4.83	3.71	5.87	3.58	4.89	.....
1874,	5.54	4.01	1.09	1.52	1.94	3.76	7.03	1.99	4.43	2.29	2.51	1.72	37.83
1875,	1.41	0.94	2.68	1.69	5.14	5.45	2.41	5.18	3.40	5.04	3.95	3.91	41.20
1876,	4.53	5.34	3.76	3.62	2.83	4.70	1.31	0.98	8.45	5.51	2.92	0.75	44.67
1877,	2.15	0.33	5.07	2.04	1.30	5.87	3.50	3.34	2.27	4.55	6.27	2.77	39.46
1878,	6.20	3.41	5.22	3.28	6.31	3.25	2.73	2.00	7.08	6.83	4.28	4.45	55.04
1879,	1.80	2.41	2.99	2.29	1.04	2.33	2.04	4.17	2.91	1.18	8.35	4.84	36.35
1880,	2.86	3.73	2.32	3.86	3.02	3.78	3.06	4.01	5.01	3.56	4.45	1.25	40.91
1881,	2.10	1.93	2.39	1.26	2.16	6.37	1.39	1.02	1.35	5.75	5.46	6.44	37.62
1882,	4.00	3.12	4.27	3.31	5.63	3.43	3.80	4.14	4.85	3.17	3.42	3.23	46.37
1883,	2.66	5.94	1.25	2.94	6.29	3.73	3.94	2.44	4.41	4.00	3.47	3.74	44.81
1884,	4.59	5.88	3.84	1.99	3.42	2.40	5.29	2.16	3.92	3.23	4.91	3.84	45.47
1885,	3.60	2.10	1.83	2.25	4.90	6.84	2.03	7.97	3.42	8.17	5.83	3.19	52.13
1886,	4.80	3.43	3.03	3.05	1.48	2.77	2.16	1.53	3.26	1.73	6.21	4.04	37.49
1887,	3.66	8.50	3.06	2.55	2.96	5.21	0.80	3.54	3.17	4.43	4.13	3.13	45.14
1888,	2.79	1.66	2.04	2.70	2.26	2.38	3.17	3.76	2.86	3.17	3.38	1.77	31.94
1889,	2.71	1.57	1.73	3.64	2.51	6.02	1.68	2.26	4.85	3.37	3.29	4.03	37.66
1890,	4.50	3.60	3.43	3.16	6.40	4.23	0.76	4.64	5.16	6.13	3.32	1.72	47.05
1891,	2.32	4.95	2.44	1.34	1.49	1.22	2.66	1.96	2.82	1.78	3.99	3.27	30.24
1892,	3.26	2.39	2.20	1.14	8.05	6.48	2.15	6.22	3.19	1.96	3.03	1.60	41.67
1893,	2.40	5.85	1.89	3.67	7.99	3.20	1.79	3.61	1.13	3.84	1.97	2.65	39.99
1894,	2.07	3.55	1.95	1.74	4.91	2.88	2.26	0.54	5.48	5.35	1.90	2.53	35.16
1895,	3.51	1.33	1.64	2.09	2.58	1.75	2.59	3.30	4.01	3.40	4.37	4.98	35.55
1896,	1.52	3.97	3.41	1.46	2.63	4.67	5.50	3.47	3.72	2.01	2.90	1.76	37.02
1897,	2.57	1.74	2.79	1.55	3.04	3.01	5.81	4.70	0.54	1.24	4.62	2.73	34.34
1898,	3.41	2.02	3.24	1.83	2.79	2.87	1.63	4.19	2.62	3.05	3.58	2.84	34.07
1899,	1.50	1.44	3.08	1.08	5.35	1.91	2.60	0.07	3.76	2.04	1.31	4.22	28.36
1900,	2.61	2.55	2.72	1.60	1.48	3.99	5.56	2.26	1.97	2.06	4.76	1.06	32.62
1901,	1.30	1.34	1.99	3.20	2.24	2.48	2.27	5.37	2.99	1.69	2.96	3.84	31.67
1902,	1.86	0.56	0.77	2.09	3.32	4.16	5.97	0.51	3.36	3.88	1.34	1.97	29.79
1903,	1.49	3.59	2.82	3.81	3.20	4.50	3.57	3.28	1.50	3.70	1.87	2.25	35.58
1904,	4.94	2.90	3.32	2.83	3.40	2.33	3.68	2.07	2.78	4.49	0.49	1.82	34.96
1905,	2.74	1.27	1.40	2.29	3.97	2.86	3.68	5.08	2.90	3.98	2.51	0.95	33.63
1906,	1.09	0.96	2.76	2.33	1.37	4.35	3.83	4.16	2.53	6.33	1.80	3.31	34.82
1907,	4.51	0.66	3.34	1.86	3.34	3.69	2.42	1.66	6.72	4.29	1.05	3.41	37.95
1908,	1.54	2.65	2.22	3.99	3.22	2.70	2.26	1.32	1.15	1.53	1.84	2.30	26.72
1909,	2.44	4.85	2.54	5.15	2.26	2.58	2.46	1.76	3.70	1.59	2.60	1.85	33.88
1910,	4.00	4.02	0.53	2.23	3.48	2.01	3.82	1.76	2.57	5.00	3.45	2.89	35.76
1911,	4.05	2.11	1.66	2.47	2.49	2.40	2.14	3.76	4.14	3.47	3.14	3.41	37.24
1912,	3.46	1.21	3.12	4.22	3.29	3.07	3.09	5.[illegible]	4.59	5.38	2.17	2.59	42.09
1913,	5.60	2.01	7.36	2.03	2.68	2.79	1.36	2.66	1.69	4.84	4.18	1.07	38.27
1914,	3.14	1.49	3.00	3.59	5.95	1.17	1.33	5.93	1.50	3.50	2.21	3.42	36.23
1915,	2.43	1.87	0.68	0.74	3.20	2.57	5.14	9.28	4.19	2.21	2.39	3.12	37.82
Means,	3.09	2.84	2.69	2.51	3.51	3.50	3.09	3.41	3.49	3.73	3.40	2.92	38.18

Everett, Bedford Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1897,	.....	.....	.....	.....	.....	5.00	5.02	2.44	1.55	0.93	4.58	3.96	.....
1898,	3.35	1.17	4.62	2.03	3.20	2.03	2.60	9.11	0.89	8.23	2.07	2.84	42.14
1899,	2.48	3.55	4.27	1.37	4.39	2.91	3.33	3.62	4.70	1.10	1.40	.....	.....
1900,	2.10	3.57	3.69	1.25	2.10	5.97	5.70	5.50	.....	.....	.....	.....	.....
1901,	1.51	0.78	4.55	5.16	5.80	5.21	5.22	10.35	2.33	0.35	2.50	5.54	49.30
1902,	4.10	.....	4.84	3.63	1.16	6.24	2.15	2.36	2.59	4.18	1.71	3.83	.....
1903,	3.41	5.00	4.07	3.71	2.24	8.67	7.02	4.72	2.50	2.90	1.33	1.15	46.72
1904,	3.08	1.90	2.97	3.55	4.08	4.43	5.69	1.66	3.47	1.67	0.43	2.45	35.38
1905,	2.56	0.90	4.26	1.47	4.10	6.62	3.45	5.26	2.72	3.98	1.69	3.09	40.10
1906,	2.56	0.99	4.24	2.47	3.65	3.69	4.82	8.27	1.56	3.75	0.88	3.83	40.62
1907,	3.78	1.88	4.18	3.05	3.64	6.04	3.16	3.54	4.76	1.01	3.48	3.41	41.93
1908,	3.37	4.11	5.53	3.83	6.72	3.22	3.72	1.39	.....	1.47	0.65	1.80	.....
1909,	2.02	3.36	1.33	4.44	2.08	3.61	1.74	3.90	1.98	2.73	0.70	3.96	31.85
1910,	4.40	2.20	0.59	4.35	3.31	5.53	1.66	1.58	4.68	1.09	1.21	0.64	31.24
1911,	3.96	0.85	1.99	4.42	0.65	5.84	1.70	.....	6.13	3.22	1.70	4.37	.....
1912,	1.21	1.78	4.63	3.83	4.73	4.44	6.67	2.45	.....	.....	1.86	1.96	.....
1913,	3.30	0.90	3.09	2.26	5.97	2.21	3.91	1.75	2.17	6.76	3.90	2.38	38.60
1914,	2.77	2.78	1.55	5.13	2.26	5.32	4.00	2.39	0.80	3.75	1.84	3.70	36.29
1915,	7.14	2.98	0.80	1.38	5.56	5.13	2.77	2.03	1.91	2.63	2.20	1.89	36.42
Means,	3.17	2.28	3.40	3.18	3.65	4.84	3.91	4.02	2.80	2.93	1.90	2.99	39.07

Falls Creek, Jefferson Co.—(Elevation 1,495 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.36	2.74	.....
1914,	2.39	1.89	2.10	4.66	5.79	5.10	1.60	4.70	1.24	1.70	1.69	2.92	35.78
1915,	4.39	3.09	0.85	0.44	4.59	5.38	4.69	5.03	1.81	3.33	1.80	3.53	38.93

Note: This station maintained and operated, in co-operation with the Buffalo, Rochester and Pittsburgh Railway Co., by the Water Supply Commission of Pennsylvania.

Fallsington, Bucks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1883,	4.07	4.60	2.60	3.88	3.34	5.01	2.05	5.36	3.64	4.02	1.56	3.31	43.47
1884,	4.90	5.04	4.79	2.25	4.48	5.30	4.24	4.58	0.22	2.30	3.12	6.00	47.22
1885,	4.23	4.91	1.19	2.30	1.51	1.02	4.05	7.56	1.07	4.23	3.58	3.26	38.91
1886,	4 12	5.67	3.53	4.09	6.49	2.90	4.54	2.01	0.85	2.90	4.72	3.52	45.34
1887,	2.92	.....	2.98	2.61	3.61	4.28	9.28	2.52	4.14	3.06	.....	.....	.....
Means,	4.05	.....	3.02	3.03	3.89	3.71	4.83	4.41	1.98	3.30	.....	.....	.....

Farrandsville, Clinton Co.—(Elevation 583 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	0.60	3.98	2.70	1.12	1.64	4.82	5.68	3.34	4.58	5.26	3.44	1.23	38.39
1897,	1.71	1.83	3.34	3.35	4.53	3.10	5.70	3.72	4.63	0.97	5.75	3.20	41.83
1898,	3.56	1.38	5.29	2.93	3.55	3.06	5.55	5.08	0.79	6.11	2.74	2.70	42.73
1899,	2.21	3.13	4.26	1.38	3.55	3.83	2.22	4.67	4.33	0.75	4.00	.....	.....

Fleming, Center Co.—(Elevation 780 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1859,	3.00	2.80	4.48	5.20	3.23	3.92	1.60	3.11	4.86	1.44	2.43	3.68	39.75
1860,	2.06	2.41	1.93	6.17	7.42	5.94	2.86	3.32	1.95	3.22	4.38	4.39	46.05
1861,	2.90	3.09	1.36	3.91	2.97	2.51	2.92	6.61	7.08	2.68	4.75	0.97	41.75
1862,	5.42	2.36	3.46	4.66	2.37	8.28	4.02	0.64	1.25	7.10	1.31	1.46	42.33
1863,	3.78	3.72	4.28	5.06	2.02	2.22	2.79	3.23	1.16	6.62	2.25	5.30	42.43
1864,	1.49	0.84	4.61	3.55	6.73	1.65	3.61	6.24	6.66	3.50	2.68	3.14	44.70
1865,	2.76	2.48	6.51	2.95	3.01	3.97	5.36	2.70	5.09	2.56	1.36	2.51	41.26
1866,	0.55	2.15	2.76	2.80	1.44	4.81	4.44	5.06	5.22	4.25	5.10	3.35	41.93
1867,	2.23	3.46	3.04	4.28	6.13	2.43	.....	.....	.....	.....	.....	.....	.....
Means,	2.69	2.59	3.60	4.29	3.92	3.97	3.45	3.86	4.16	3.92	3.03	3.10	42.58

Forks of Neshaminy, Bucks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1884.	.....	.....	.....	.....	.....	.....	.....	.....	0.18	2.55	3.68	5.80	.....
1885,	3.93	5.07	1.03	1.96	2.24	2.29	4.08	5.50	1.24	5.36	3.97	3.04	39.71
1886,	6.49	6.50	3.89	2.89	5.76	4.82	4.31	1.52	0.63	2.46	4.28	3.85	47.40
1889.	3.55	2.03	3.35	4.68	5.70	4.49	10.36	5.30	8.76	4.77	7.43	1.65	62.07
1890,	2.40	4.28	5.66	2.91	5.00	5.74	4.41	5.90	3.04	5.77	0.95	2.51	48.57
1891,	6.11	4.50	4.61	1.65	2.66	2.64	4.44	4.90	3.08	3.68	2.04	4.88	45.19
1892,	4.60	1.27	4.18	2.46	6.33	2.67	4.11	3.54	3.13	0.49	6.77	1.75	41.30
1893,	3.46	5.36	2.16	5.66	4.22	3.40	1.56	6.93	3.51	3.35	4.06	2.97	46.64
1894,	1.82	3.77	1.70	3.20	14.80	3.83	5.92	2.17	6.94	5.38	3.28	4.62	57.43
1895,	4.98	0.83	3.51	5.96	2.80	4.72	3.76	4.26	0.77	3.33	2.05	2.56	39.53
1896,	1.80	9.08	5.59	1.81	3.16	4.46	4.62	0.83	8.49	2.17	4.55	1.12	47.68
1897,	3.39	2.94	2.28	2.93	6.34	6.42	12.42	3.09	1.31	2.41	5.12	5.16	53.81
1898,	3.88	3.99	3.10	3.55	7.54	0.82	4.42	6.65	1.90	4.61	6.48	3.40	50.34
1899,	4.25	8.16	7.73	1.72	2.35	1.74	4.49	2.89	6.65	2.04	2.26	2.26	46.54
1900,	*3.51	4.60	2.92	2.43	7.63	5.77	6.12	2.60	3.07	2.69	2.66	2.30	46.30
1901,	2.78	0.99	6.23	4.77	5.83	2.39	7.34	8.37	6.41	1.38	2.40	7.94	56.83
1902,	2.64	5.19	3.45	3.39	2.02	6.89	4.70	4.59	5.74	6.05	1.75	6.69	53.10
1903,	3.84	4.65	3.88	4.52	0.83	5.93	6.07	4.71	3.55	7.73	1.08	3.67	50.46
1904,	3.98	2.25	3.96	2.59	3.12	4.41	5.45	8.18	4.80	7.11	2.73	2.35	50.93
1905,	3.20	2.40	3.79	3.64	2.15	2.59	2.67	7.57	2.98	3.70	2.20	3.33	40.22
1906,	2.81	2.52	4.99	3.01	4.70	6.54	6.00	6.65	0.61	4.48	2.15	4.07	48.53
1907,	3.74	3.02	2.95	3.38	4.19	5.42	2.52	3.79	7.19	4.86	5.90	4.55	51.51
1908,	3.28	4.87	3.91	3.56	6.80	2.32	6.17	8.06	2.27	4.62	1.11	3.29	50.26
1909,	2.71	5.00	3.14	5.51	3.34	4.01	2.48	3.47	2.87	1.04	3.24	5.06	41.87
1910,	5.85	3.58	0.30	6.91	2.92	4.19	0.53	6.46	2.27	4.00	3.19	2.15	42.35
1911,	3.15	1.92	2.34	3.80	2.50	4.21	2.14	10.82	2.27	4.78	5.67	3.70	47.30
1912,	2.01	1.97	8.02	4.12	3.16	1.85	4.20	2.59	3.89	3.42	3.86	5.14	44.23
1913,	3.23	1.79	4.64	5.80	0.48	1.88	4.40	3.73	6.28	8.13	3.60	2.60	46.56
Means,	3.61	3.80	3.83	3.66	4.39	3.94	4.80	5.00	3.71	4.01	3.52	3.66	47.93

Note: *Interpolated.

Fort Mifflin, Philadelphia Co.—(Elevation 20 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1843,	1.98	1.92	4.45	1.58	3.16	1.74	4.01	6.03	4.95	2.84	4.08	4.30	41.04
1844,	5.60	2.00	4.15	2.15	3.82	4.90	4.20	2.80	4.30	6.00	4.00	2.90	46.82
1849,	0.71	2.69	6.05	1.64	4.04	2.26	2.16	7.36	0.48	6.52	2.25	6.18	42.34
1850,	4.29	2.52	5.39	2.98	7.65	1.65	5.23	6.84	8.45	1.54	.....	4.66	.....
1851,	1.25	4.03	5.60	3.55	4.65	3.00	3.65	3.03	0.94	3.03	3.41	1.90	38.04
1852,	2.40	2.48	4.60	8.20	5.30	4.55	5.45	4.40	1.40	3.30	3.80	5.45	51.33
1853,	0.80	3.54	2.20	3.98	5.70	2.00	8.71	4.42	1.80	2.84	.....	.....	.....
Means,	2.43	2.74	4.63	3.44	4.90	2.87	4.77	4.98	3.19	3.72	3.51	4.23	45.41

Fountain Dale, Adams Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1867,	.....	.....	.....	.....	5.54	2.52	2.92	5.55	1.41	4.70	1.06	2.10	.....
1868,	.....	.....	.....	4.00	7.83	4.28	2.67	3.01	6.86	1.60	5.12	3.10	.....
1869,	3.36	4.98	5.08	1.77	4.40	3.03	3.76	1.89	2.84	6.47	2.72	8.53	43.83
1870,	4.19	3.50	4.92	5.43	4.28	6.70	3.66	3.40	5.58	2.02	1.33	2.10	47.11
1871,	4.09	3.85	5.20	3.14	2.97	2.96	2.60	4.40	.....	3.10	.....	1.21	.....
1872,	1.57	.....	.....	.....	2.85	.....	.....	4.32	4.45	.....	.....	.....	.....

Franklin, Cambria Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1908,	4.11	5.41	8.92	3.00	4.65	3.33	3.21	3.20	0.52	0.02	0.76	3.59	40.72
1909,	2.14	4.17	2.68	5.32	0.90	1.72	2.05	1.93	1.45	2.96	0.52	2.60	28.44
1910,	5.99	2.17	0.44	3.05	2.14	2.70	1.25	2.18	4.90	0.06	1.08	2.08	28.04
1911,	3.25	1.69	2.77	3.38	1.66	4.54	0.03	5.36	6.34	.....	.....	.....	.....

Note: This record furnished by the Cambria Steel Company, Johnstown, Pa.

Franklin, Venango Co.—(Elevation 980 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1840,	.....	2.43	.....	.....	3.42	5.72	2.16	5.56	1.34	3.32	2.81	1.83	.....
1841,	2.02	0.50	4.13	1.99	.....	1.92	.....	1.49	1.51	1.49	2.07	3.80	.....
1868,	.....	.....	.....	.....	.....	.....	.....	.....	4.88	2.68	4.45	3.10	.....
1869,	3.77	3.70	4.55	1.57	5.08	5.60	3.55	2.88	10.19	1.97	4.52	4.12	51.50
1870,	7.75	4.07	4.63	2.62	3.82	5.50	11.63	5.96	2.02	4.91	2.35	4.46	59.72
1871,	3.38	2.48	3.40	2.27	2.15	3.53	3.49	5.10	0.58	1.65	3.85	2.86	34.74
1872,	1.17	1.40	2.66	2.65	2.23	3.47	8.63	4.58	4.19	5.15	2.33	3.05	41.51
1873,	3.86	2.69	5.25	4.12	1.71	6.00	7.19	3.19	2.62	7.06	5.29	5.93	54.91
1874,	6.14	4.73	3.00	4.87	5.00	3.47	5.65	3.50	3.55	1.00	4.30	2.19	47.40
1875,	2.56	1.56	4.56	2.16	3.25	4.62	3.37	5.63	4.63	4.13	3.13	5.25	44.85
1876,	4.00	4.19	4.81	3.31	1.75	3.50	4.37	2.50	9.56	2.25	3.19	3.50	46.93
1877,	4.83	1.64	6.26	1.20	0.47	6.52	6.72	1.10	3.06	4.06	5.53	2.32	43.75
1878,	3.67	2.03	2.08	2.74	2.76	2.91	5.66	0.84	6.71	2.04	3.26	5.42	40.12
1879,	3.48	5.11	3.10	1.89	0.86	3.27	3.75	1.55	2.27	1.95	5.41	5.02	37.66
1880,	3.64	2.92	2.61	2.21	2.78	4.94	1.83	3.18	2.32	2.40	2.64	2.50	33.97
1881,	3.58	3.35	3.32	2.16	2.68	9.33	1.05	0.34	2.76	3.08	3.06	4.96	39.67
1882,	3.96	3.02	3.10	1.60	5.02	7.88	2.90	6.25	4.90	2.68	2.04	2.48	45.83
1883,	2.22	1.72	0.87	1.80	6.38	7.07	7.17	1.64	2.82	3.10	2.78	3.71	41.28
1884,	5.20	4.35	3.16	1.47	2.39	5.54	4.85	3.33	2.64	3.08	1.77	3.72	41.50
1885,	4.38	2.08	1.70	2.18	3.70	6.75	2.50	6.22	3.09	4.05	3.33	2.58	42.56
1886,	4.86	3.32	3.40	4.24	1.03	4.33	3.96	1.62	3.02	1.20	4.49	3.36	38.83
1887,	2.65	9.24	2.87	3.00	3.04	4.04	2.66	5.18	2.44	1.40	2.44	2.16	41.12
1888,	4.42	4.08	2.41	2.38	2.69	6.02	2.77	5.52	4.95	4.58	3.98	2.50	46.30
1889,	4.12	1.68	1.56	3.10	2.19	5.25	8.86	2.12	4.39	3.10	2.88	4.53	43.78
1890,	4.50	4.84	4.78	4.07	9.98	2.96	4.19	4.99	6.60	.....	.....	.....	.....
1897,	1.95	2.50	4.91	3.22	3.66	2.90	5.74	5.00	0.77	0.28	5.45	3.20	39.58
1898,	4.51	1.48	4.29	1.53	4.08	3.41	2.18	5.87	2.10	4.42	3.89	1.31	39.07
1899,	0.82	.....	4.19	1.06	5.28	3.00	4.75	1.77	2.98	2.58	0.61	3.77	.....
1900,	1.94	3.39	2.46	0.60	1.90	2.86	5.35	2.18	3.09	2.31	4.42	1.20	31.70
1901,	2.31	1.12	4.51	5.64	4.00	1.72	2.87	7.30	5.66	0.63	2.98	3.51	42.25
1902,	2.16	1.59	1.99	1.34	3.76	6.46	8.95	1.19	3.76	2.42	1.95	3.57	39.14
1903,	2.00	4.33	.....	3.77	1.98	7.65	6.98	6.02	.....	2.77	2.51	2.07	.....
1904,	5.42	3.87	3.75	4.11	6.00	2.14	4.24	4.84	2.35	1.26	0.74	2.11	40.83
1905,	2.97	3.07	2.99	2.02	3.11	4.21	8.57	4.89	3.11	4.30	3.57	3.28	45.09
1906,	2.29	0.84	3.14	2.36	2.89	5.41	1.78	6.18	4.20	.....	2.57	3.64	.....
1907,	4.84	1.63	4.07	3.90	4.59	4.54	4.96	1.06	3.75	3.78	2.65	3.64	43.41
1908,	2.70	2.88	4.94	4.73	6.79	3.23	4.73	1.95	1.30	1.60	1.34	4.28	40.47
1909,	3.22	5.70	3.09	5.93	3.22	3.92	3.35	2.58	1.42	1.32	1.66	2.42	37.83
1910,	7.41	4.25	0.59	3.30	2.83	2.18	3.46	1.50	4.84	3.36	3.11	3.57	40.40
1911,	3.87	2.95	3.24	4.56	1.32	4.96	1.58	6.76	6.66	5.15	3.65	4.40	49.10
1912,	2.66	2.09	3.75	5.89	2.54	2.44	5.11	7.43	4.04	3.85	1.56	3.33	44.69
1913,	7.63	2.35	7.60	2.65	2.85	4.33	5.26	2.19	1.67	5.27	3.42	2.13	47.35
1914,	3.83	1.94	2.32	5.94	4.34	3.78	1.72	4.75	1.20	3.23	1.65	4.49	39.19
1915,	4.34	3.85	1.27	1.01	3.28	4.42	5.12	5.76	2.80	2.38	3.13	4.20	41.56
Means,	3.74	3.00	3.45	2.93	3.40	4.51	4.66	3.80	3.55	2.93	3.09	3.38	42.44

Frederick, Montgomery Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1883,	.....	.....	.....	.....	.....	.....	.....	4.00	3.96	4.77	1.75	5.76	.....
1884,	6.02	5.36	4.70	2.25	3.48	5.59	6.21	2.43	0.44	3.41	3.40	5.92	49.21
1885,	3.73	4.73	1.12	2.42	2.62	1.75	2.29	7.39	0.84	4.46	4.45	3.11	38.91
1886,	3.71	5.11	3.80	2.85	6.88	5.45	5.41	1.14	1.41	2.43	5.42	2.90	46.51
1889,	3.44	1.84	2.74	3.86	4.65	6.41	12.69	3.83	6.68	4.62	7.63	1.88	60.27
1890,	2.68	4.35	6.43	2.36	6.87	2.78	5.39	7.04	3.35	5.36	1.16	2.44	50.21
1891,	5.60	4.50	6.09	1.85	1.60	3.83	7.71	7.95	2.01	3.22	1.63	4.62	50.61
1892,	5.16	0.83	4.66	1.95	5.53	4.53	6.57	2.46	1.30	0.32	6.55	1.71	41.57
1893,	2.34	5.21	2.64	4.01	4.51	5.28	1.68	4.46	3.10	2.45	4.48	2.99	43.15
1894,	1.52	4.11	1.49	2.03	10.21	2.91	3.98	2.75	7.12	4.99	2.64	5.04	48.79
1895,	4.19	0.88	3.17	5.15	3.76	4.25	2.84	3.85	0.84	3.17	1.82	2.66	36.58
1896,	0.83	5.82	4.28	1.88	2.72	5.24	7 74	0.66	5.18	4.05	3.80	0.56	42.76
1897.	1.81	3.07	2.29	3.06	8.85	3.22	9.97	2.19	1.22	2.08	5.78	4.26	47.80
1898,	3.76	3.34	2.72	3.49	6.21	0.63	2.87	7.08	2.62	4.34	6.17	3.99	47.22
1899,	2.84	4.54	6.14	1.47	3.30	3.11	3.27	5.23	5.61	1.14	2.32	1.68	40.65
1901,	2.25	0.55	3.99	4.50	4.83	2.22	5.08	4.25	2.57	1.65	2.43	7.35	41.67
1902.	2.80	5.72	3.41	2.61	2.42	4.74	2.77	1.94	7.83	6.26	2.13	6.35	48.98
1903,	4.29	5.16	3.53	3.67	1.26	6.99	4.77	4.59	1.66	5.99	1.21	2.70	45.82
1904.	3.51	1.87	3.16	2.28	4.04	3.70	4.33	4.47	6.71	3.78	1.79	2.10	41.74
1905.	4.86	2.00	3.42	2.55	1.01	2.59	2.49	8.87	3.05	3.66	2.86	2.61	39.97
1906,	2.90	2.55	4.30	3.74	4.15	5.10	6.12	3.09	3.48	5.59	1.34	4.76	47.12
1907,	3.39	1.84	3.36	3.29	2.49	4.49	1.34	4.61	10.09	3.66	6.27	4.16	48.99
1908,	2.35	4.59	3.44	2.56	4.80	2.05	7.80	4.93	1.86	1.87	0.74	2.46	39.45
1909,	3.28	4.32	3.23	4.54	3.54	2.95	1.97	0.46	1.85	1.18	1.51	5.85	34.68
1910,	4.33	3.77	0.67	4.64	2.78	5.67	0.74	5.50	2.52	2.23	3.15	2.07	38.07
1911,	2.81	2.02	2.63	3.61	2.57	3.64	3.23	7.76	2.07	4.66	4.07	3.44	42.51
1912,	1.60	2.17	7.24	3.49	3.32	2.75	6.31	4.64	6.08	3.57	3.29	4.67	49.13
1913,	3.03	1.62	5.33	7.45	2.56	1.01	2.13	3.57	2.81	7.33	1.90	2.64	41.38
Means,	3.30	3.40	3.70	3.24	4.11	3.81	4.73	4.33	3.51	3.65	3.27	3.60	44.65

Note: Station called Spring Mount 1901-13 inclusive.

Freeland, Luzerne Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	.....	.....	.....	.....	.....	.....	8.41	4.56	0.91	2.12	1.81	4.82	.....
1915,	4.72	4.99	1.04	3.16	3.51	2.78	7.49	10.29	2.06	1.29	2.67	5.38	49.38

Freeport, Armstrong Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1877,	.....	.....	.....	.....	.....	.....	.....	1.32	2.81	0.30	4.03	1.88	.....
1878,	3.74	1.94	2.61	3.51	4.18	3.84	1.35	1.43	3.14	1.71	4.52	4.66	36.63
1879,	3.75	2.39	3.13	1.84	0.85	5.25	7.18	3.97	0.86	0.82	2.75	6.46	39.25
1880,	3.92	4.01	4.17	2.99	4.02	5.36	2.80	6.12	2.10	2.88	2.56	3.75	44.68
1881,	3.89	3.43	4.15	2.24	2.59	5.51	2.03	0.92	1.70	5.35	4.85	6.03	42.69
1882,	5.74	3.93	3.71	1.52	7.47	3.79	4.32	5.98	3.35	0.73	2.70	1.86	45.10
1883,	3.24	4.96	1.89	4.04	6.63	.....	.....	.....	.....	.....	2.04	2.98	.....
1884,	6.23	5.86	4.28	2.78	3.39	2.12	4.54	1.91	2.46	3.61	1.66	4.77	43.61
1885,	4.99	1.87	1.57	2.46	4.38	2.91	5.25	8.77	1.87	4.73	2.86	2.14	43.80
1886,	3.71	2.09	3.02	4.72	3.78	4.95	5.68	3.03	5.47	1.20	5.87	2.50	46.02
1887,	2.17	6.74	1.53	3.00	2.49	3.93	4.00	4.60	2.11	0.91	1.98	0.95	34.41
1888,	7.68	2.20	3.45	2.03	3.33	4.14	.....	.....	.....	3.13	4.00	1.92	.....
1889,	2.86	1.90	2.62	4.04	1.80	3.58	8.22	3.19	4.19	2.99	5.37	3.45	44.21
1890,	4.89	5.46	4.95	5.76	6.15	3.95	3.32	4.50	5.05	6.48	2.14	5.28	57.93
1891,	3.09	7.70	4.26	2.99	1.19	4.19	4.32	3.08	2.54	2.29	3.29	3.45	42.39
1892,	4.17	3.17	2.90	1.83	4.81	3.40	3.19	1.87	3.15	0.58	3.52	2.48	35.07
1893,	3.32	6.77	1.47	5.65	4.72	3.91	2.88	3.23	2.37	3.99	1.57	3.67	43.55
1894,	3.12	3.32	2.28	3.24	4.27	2.27	0.98	0.17	3.91	2.18	2.46	3.98	32.18
1895,	4.93	1.24	2.55	2.33	2.39	3.07	2.74	3.18	0.98	0.47	3.68	3.27	30.83
1896.	1.64	3.08	4.20	2.24	4.43	3.90	7.79	2.66	4.73	2.42	3.58	1.84	42.51
1897,	2.02	3.99	5.05	4.29	3.65	3.46	8.08	2.69	2.53	0.29	6.42	3.84	46.31
1898,	5.68	2.30	6.72	1.82	3.39	3.98	3.25	6.31	1.62	5.06	3.43	2.76	46.32
1899,	3.27	3.46	5.84	1.77	4.84	3.54	3.34	3.48	2.09	1.12	3.62	3.27	39.64
1900,	2.66	3.59	3.78	1.33	1.69	4.33	6.66	2.27	1.03	3.78	5.00	1.76	37.88
1901,	2.99	0.97	4.52	8.93	7.81	7.13	2.92	7.87	2.44	0.64	3.13	4.38	53.73
1902,	1.96	1.25	4.63	3.58	3.38	5.22	5.14	2.43	2.90	3.35	1.32	5.78	40.94
1903,	3.37	4.75	4.95	2.70	2.22	4.80	3.65	6.07	1.08	3.05	2.91	2.55	42.10
1904,	3.35	2.73	6.05	4.60	3.87	5.43	4.26	3.39	2.38	1.77	0.86	3.01	41.70
1905,	2.79	2.00	2.52	3.12	2.92	5.77	7.13	3.29	3.50	3.78	2.98	4.21	44.01
1906,	2.83	1.34	3.88	2.47	3.57	5.36	6.84	5.00	3.13	3.80	1.72	3.57	43.51
1907,	6.67	1.30	6.68	2.74	3.44	3.41	2.87	2.48	4.17	2.81	2.27	3.91	42.75
1908,	2.70	3.43	6.53	4.41	7.49	3.22	6.01	2.13	1.26	0.91	1.02	4.01	43.12
1909,	3.72	5.99	4.02	6.35	3.11	3.25	2.82	1.98	1.76	2.16	1.34	2.99	39.49
1910,	7.12	4.03	0.58	3.51	4.05	3.80	2.72	1.81	6.47	2.03	2.55	2.85	41.52
1911,	4.71	2.45	2.34	4.93	0.61	4.50	1.41	5.30	8.71	6.02	2.91	4.67	48.56
1912,	2.00	2.02	4.98	4.09	1.96	4.07	6.79	5.30	4.05	2.89	1.20	3.56	42.91
1913,	7.79	2.11	4.36	2.63	4.39	2.62	3.13	0.86	2.77	5.42	2.96	2.58	41.62
1914,	1.78	3.09	2.56	4.74	4.28	4.26	2.31	4.85	1.25	2.61	1.52	5.08	38.33
1915,	4.67	2.62	1.78	1.01	4.21	4.05	4.32	3.80	2.52	4.04	2.27	4.24	39.53
Means,	3.93	3.30	3.70	3.37	3.78	4.12	4.28	3.55	2.93	2.69	2.95	3.50	42.10

Ganoga Lake, Sullivan Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1908,	.....	.....	.....	.....	4.72	2.04	7.00	3.03	1.99	4.11	0.99	2.51	.....
1909,	3.74	6.12	3.54	5.50	3.45	6.62	3.09	1.34	3.27	2.40	1.36	4.95	45.38
1910,	7.60	7.20	0.60	9.35	5.74	7.20	0.98	3.05	6.25	1.14	4.95	2.45	56.51
1911,	2.05	3.10	3.53	4.15	0.59	6.45	2.53	8.44	5.50	7.01	0.98	3.56	47.89
1912,	2.79	3.04	5.46	4.89	3.76	0.50	1.10	7.11	10.17	1.95	4.49	4.87	50.13
1913,	7.22	2.54	5.86	9.36	4.21	2.33	3.98	2.31	2.66	2.78	1.62	5.02	49.89
1914,	2.20	3.40	5.03	6.02	6.69	2.14	5.15	5.73	1.13	1.35	2.70	3.40	44.94
1915,	7.76	9.87	1.60	2.82	3.93	6.52	7.27	5.61	2.08	2.14	1.95	5.05	56.60
Means,	4.77	5.04	3.66	6.01	4.14	4.22	3.89	4.58	4.13	2.86	2.38	3.98	49.66

Note: This record furnished by Col. R. B. Ricketts.

George School, Bucks Co.—(Elevation 190 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1907,	4.12	2.57	2.98	3.61	4.70	4.78	3.43	4.45	7.20	4.77	4.69	4.54	51.84
1908,	4.00	4.18	3.79	3.04	7.00	3.87	3.86	6.07	2.37	2.83	0.99	3.97	45.97
1909,	2.32	4.91	3.39	4.83	2.23	4.02	1.25	3.65	2.78	0.95	3.50	4.90	38.73
1910,	.....	2.68	1.33	5.27	2.06	4.64	0.71	5.37	2.44	3.06	3.26	2.97	.....
1911,	3.33	2.15	2.81	3.57	1.17	4.90	2.85	11.84	2.61	4.27	5.68	2.98	48.16
1912,	1.80	2.59	8.58	3.44	3.13	1.30	3.89	1.68	2.72	3.01	1.60	4.40	38.14
1913,	3.19	2.50	4.54	5.19	3.69	1.29	3.71	4.08	3.91	7.03	3.42	1.97	44.52
1914,	2.40	2.19	2.57	2.54	1.86	2.20	5.50	2.58	0.35	2.04	1.64	5.47	31.34
1915,	5.00	5.21	0.57	2.57	4.86	2.01	6.91	8.93	1.01	1.98	1.48	3.35	43.88
Means,	3.27	3.22	3.40	3.78	3.41	3.22	3.57	5.41	2.82	3.33	2.92	3.84	42.19

Gettysburg, Adams Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1839,	3.38	1.73	0.84	2.40	3.39	4.83	4.52	6.13	2.39	0.83	2.65	4.97	38.06
1840,	2.46	1.98	2.52	3.94	2.64	2.38	1.00	2.90	1.54	7.12	2.18	3.60	34.32
1841,	6.35	1.45	5.37	4.68	3.43	2.89	2.62	3.00	4.15	1.52	3.92	6.06	45.44
1842,	1.73	1.92	2.74	5.78	3.24	4.14	2.69	4.13	0.94	2.30	3.90	2.71	36.22
1843,	3.25	2.55	4.82	3.24	5.20	1.86	3.60	4.51	8.71	3.25	3.52	3.09	47.60
1844,	3.19	1.56	3.47	1.79	3.99	2.36	3.32	2.46	2.55	3.67	1.45	1.66	31.47
1845,	2.70	2.34	2.79	2.41	1.10	4.57	0.93	1.87	0.72	6.18	2.22	2.35	30.18
1846,	4.23	2.66	4.93	2.95	5.78	6.20	4.46	4.39	1.21	3.89	8.48	3.07	52.25
1847,	4.08	5.57	2.40	0.65	2.51	2.00	4.72	2.87	8.37	5.82	5.81	6.08	50.88
1848,	1.83	1.20	3.54	0.62	2.42	2.28	5.38	4.14	1.54	2.73	3.15	4.78	33.61
1849,	0.98	2.57	3.64	1.03	4.33	1.85	2.45	1.91	0.86	5.79	0.94	5.18	31.53
1850,	5.57	4.67	3.89	3.72	5.42	2.04	4.74	2.17	3.78	2.93	2.05	4.65	45.63
1851,	0.63	2.66	3.77	3.64	2.31	1.16	4.26	2.51	1.95	2.19	3.72	2.19	30.99
1852,	2.49	2.70	4.15	5.93	3.49	3.55	1.85	4.72	1.98	1.74	6.47	4.24	43.31
1853,	1.74	3.23	1.29	4.48	2.87	0.26	5.67	3.38	3.89	2.79	1.47	1.01	32.08
1854,	3.26	3.60	1.90	5.37	3.31	2.84	1.62	0.90	2.46	2.27	3.63	2.70	33.86
1855,	3.57	2.41	2.04	2.08	1.69	7.72	3.79	10.89	5.92	2.22	1.27	4.02	47.62
1856,	2.75	1.25	1.79	2.91	2.87	2.86	3.78	2.48	1.12	1.59	2.46	2.77	28.63
1857,	3.03	0.98	1.62	3.12	6.23	7.44	5.63	1.98	1.39	1.12	2.35	3.94	38.23
1858,	1.65	1.92	0.61	2.87	10.60	4.39	3.91	4.27	2.67	4.57	3.35	4.86	45.67
1859,	3.50	3.91	5.59	5.75	3.75	3.73	1.76	2.73	6.34	0.63	1.20	3.55	42.44
1860,	3.13	2.63	1.41	3.93	5.65	2.76	1.35	3.60	2.73	3.92	4.00	3.07	38.18
1861,	4.36	2.42	2.11	4.61	4.23	2.47	4.84	3.15	2.98	3.10	1.98	0.76	37.01
1862,	4.36	2.31	2.21	5.49	1.83	7.12	2.06	0.45	1.17	2.26	1.73	0.90	31.89
1863,	.....	4.20	5.64	5.28	3.09	2.71	6.67	.....	.....	.....	.....	.....	.....
1864,	.....	.....	.....	.....	.....	.....	1.47	3.36	3.01	2.67	2.27	3.42	.....
1865,	4.24	3.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889,	.....	.....	.....	.....	.....	.....	.....	3.51	6.81	4.16	6.47	2.01	.....
1890,	2.25	4.51	4.66	3.31	8.10	3.91	2.78	8.95	2.51	.....	.....	.....	.....
1893,	2.04	3.46	2.24	5.20	7.36	3.26	1.18	3.18	3.29	4.00	2.97	1.77	39.95
1894,	1.56	3.89	1.21	3.94	6.84	1.78	1.47	2.03	7.60	.....	.....	.....	.....
1895,	.....	.....	1.83	3.27	3.16	3.10	1.37	2.27	1.24	2.13	1.55	2.37	.....
1896,	0.75	3.71	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.60	.....
1903,	.....	.....	.....	.....	.....	6.47	4.48	7.08	2.26	2.86	1.06	2.16	.....
1904,	3.57	1.72	3.04	2.48	2.07	6.00	4.46	3.92	2.78	2.50	0.71	2.93	36.18
1905,	4.37	1.41	3.51	2.95	1.88	5.77	6.90	4.90	2.80	4.15	2.18	4.45	45.27
1906,	2.93	1.21	4.61	4.53	3.28	5.36	2.85	8.54	1.33	5.26	0.73	4.23	44.86
1907,	3.17	2.53	3.44	2.21	3.85	5.57	4.79	1.69	7.32	2.25	3.72	5.82	46.36
1908,	2.79	7.11	4.41	2.80	10.95	1.09	6.24	2.80	1.93	2.79	0.85	2.17	45.93
1909,	2.59	4.51	3.64	3.62	2.30	4.05	0.85	2.11	4.90	2.37	0.84	4.24	36.02
1910,	4.40	3.78	0.48	6.09	2.44	6.75	1.87	1.51	2.26	1.53	0.84	2.11	34.06
1911,	3.91	2.12	3.11	3.22	3.50	4.41	2.17	12.99	3.49	3.45	2.77	3.68	48.82
1912,	1.79	2.73	6.18	3.11	2.81	8.58	4.52	2.27	7.80	1.17	1.91	4.51	47.38
1913,	2.82	1.13	8.00	4.37	3.63	1.39	3.87	6.45	2.53	6.10	2.09	3.48	45.86
1914,	3.89	2.23	1.86	4.02	3.26	4.09	4.17	3.41	1.46	2.32	2.01	4.33	37.05
1915,	7.22	5.78	1.15	1.24	4.19	5.19	2.85	8.92	3.73	3.40	2.04	3.85	49.56
Means,	3.13	2.84	3.13	3.54	4.02	3.89	3.38	3.99	3.27	3.11	2.66	3.34	40.30

Girardville, Schuylkill Co.—(Elevation 1,000 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1887,	5.03	5.32	1.32	3.13	3.65	6.52	3.51	8.79	3.41	1.16	1.98	4.91	48.73
1888,	3.50	3.45	4.35	3.29	7.08	6.50	3.34	6.58	8.18	4.83	4.90	4.62	60.62
1889,	3.80	1.66	2.77	7.23	6.93	8.01	9.46	6.03	6.50	4.41	10.16	3.31	70.27
1890,	2.94	4.56	5.25	4.40	12.41	4.56	6.36	6.48	4.51	6.24	1.67	4.65	64.03
1891,	8.74	4.36	3.80	3.54	1.80	3.70	9.64	9.47	1.99	3.77	5.12	6.23	62.16
1892,	8.46	1.46	7.60	1.77	4.95	7.62	4.35	2.56	3.42	0.41	4.70	2.02	49.32
1893,	4.09	7.00	4.82	3.58	8.51	2.17	4.87	4.11	3.10	3.87	3.57	3.23	52.92
1894,	2.72	5.52	1.13	5.43	12.69	1.79	2.50	1.47	5.74	7.66	2.99	4.75	54.39
1895,	3.82	1.54	2.48	4.39	3.33	2.77	2.73	4.69	2.69	3.47	2.71	4.65	39.27
1896,	1.39	6.40	6.00	1.88	2.23	5.14	11.30	1.28	3.26	5.55	8.05	1.20	53.68
1897,	2.59	3.46	2.89	3.77	8.27	4.17	5.58	2.64	2.48	1.98	6.12	5.92	49.87
1898,	5.43	1.77	4.26	4.21	6.33	2.38	4.84	11.32	1.14	6.18	5.00	3.02	55.88
1899,	2.76	6.69	4.85	2.02	3.53	5.40	4.99	7.40	6.65	1.02	2.63	4.19	52.13
1900,	2.65	5.63	5.50	0.94	1.29	3.70	6.96	4.77	1.22	3.32	3.77	3.03	42.78
1901,	2.48	1.03	5.68	2.52	5.59	1.39	3.21	12.05	4.20	2.81	2.51	7.87	51.34
1902,	4.22	6.45	6.39	3.57	1.31	7.76	5.02	2.83	8.44	6.92	1.90	7.04	61.85
1903,	4.28	5.86	4.72	4.23	2.28	7.95	6.19	5.15	3.05	6.75	1.87	4.83	57.16
1904,	5.78	2.91	5.39	3.42	4.01	5.95	4.26	4.04	6.50	4.42	2.55	3.28	52.51
1905,	6.29	2.12	6.57	2.71	2.50	2.47	5.27	6.79	4.32	5.90	3.01	4.99	52.94
1906,	3.74	3.80	7.22	6.21	3.41	8.17	5.20	2.75	4.55	5.96	1.83	5.24	58.08
1907,	4.66	2.66	3.31	2.46	1.91	4.99	4.17	3.38	8.50	3.84	4.41	7.89	52.18
1908,	3.33	7.70	4.40	3.08	5.78	1.10	6.08	3.47	2.05	4.14	0.82	3.71	45.66
1909,	3.79	6.95	4.64	7.56	3.59	3.94	3.36	1.60	2.52	4.48	1.64	4.04	48.11
1910,	6.88	4.44	0.79	7.75	5.70	5.86	1.96	3.32	5.35	1.94	3.80	3.63	51.42
1911,	4.41	2.33	3.31	4.37	3.36	3.36	5.07	10.12	3.69	7.23	4.11	3.72	55.08
1912,	2.17	3.51	6.21	6.10	3.17	2.98	7.62	7.63	6.19	3.36	3.49	5.12	57.55
1913,	5.55	1.94	7.24	6.63	3.27	2.00	7.75	2.04	6.15	6.59	2.87	4.03	56.06
1914,	4.46	3.41	4.08	5.46	3.79	5.68	6.20	5.07	1.62	2.55	2.14	6.07	50.53
1915,	8.03	6.68	1.77	3.51	4.55	3.99	5.91	11.39	2.98	1.91	2.74	6.19	59.65
Means,	4.41	4.16	4.44	4.11	4.73	4.55	5.44	5.49	4.29	4.23	3.55	4.60	54.00

Gordon, Schuylkill Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1903,	.....	.....	.....	.....	.....	.....	6.48	5.47	2.52	5.36	1.50	4.78	.....
1904,	.....	2.60	4.49	3.56	3.81	4.15	4.37	3.89	7.40	3.80	1.03	2.40	.....
1905,	7.55	1.95	5.71	2.42	1.56	2.70	4.39	7.67	5.27	6.12	2.98	4.67	52.99
1906,	3.05	3.16	7.37	6.96	2.58	8.80	4.30	3.39	3.69	5.98	1.75	4.95	55.98
1907,	3.89	3.34	5.20	2.85	2.55	4.98	2.31	3.23	8.09	4.27	4.59	7.43	52.73
1908,	2.90	7.23	5.09	3.43	6.98	1.79	5.65	3.52	2.53	4.94	1.03	2.99	48.08
1909,	3.11	7.91	4.76	7.32	4.35	3.41	2.74	0.48	2.55	3.75	1.58	4.38	46.34
1910,	5.92	4.02	0.59	8.06	6.08	6.28	1.88	4.12	4.69	1.78	3.01	4.04	50.47
1911,	3.67	2.26	3.21	4.58	2.90	3.71	5.86	10.33	4.25	7.42	4.54	3.30	56.03
1912,	1.91	2.67	6.37	5.09	3.38	2.40	4.80	6.28	5.80	2.41	3.40	4.85	49.36
1913,	3.88	2.08	6.77	7.18	3.64	2.04	6.87	2.32	5.15	6.33	2.62	3.18	52.06
1914,	3.45	2.23	2.56	5.05	3.42	4.49	8.05	5.37	1.40	2.08	2.50	5.58	46.18
1915,	8.32	5.37	1.06	2.96	3.72	3.33	6.64	10.17	2.73	1.91	2.98	4.54	53.73
Means,	4.33	3.73	4.43	4.96	3.75	4.01	4.95	5.10	4.31	4.32	2.58	4.39	50.86

Gouldsboro, Wayne Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	.....	.....	.....	.....	.....	.....	7.11	3.56	0.73	1.71	2.12	4.29	.....
1915,	5.59	4.56	0.77	4.41	3.75	3.29	4.67	8.91	2.60	1.71	2.62	3.28	46.16

Grampian, Clearfield Co.—(Elevation 1,400 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1864,	.....	.....	.....	.....	.....	.....	4.16	5.68	4.32	2.52	3.96	5.01	.....
1865,	3.24	3.52	6.24	3.42	4.53	3.63	5.11	3.37	6.18	3.12	2.07	3.57	48.00
1866,	2.55	3.30	4.70	3.14	1.58	4.37	5.25	5.68	5.67	4.08	4.21	3.83	48.36
1867,	2.72	3.46	4.50	4.36	7.17	1.31	4.21	4.14	1.49	2.88	2.16	4.54	42.94
1868,	3.32	3.79	4.00	4.56	5.91	2.74	3.95	3.56	6.36	2.82	3.26	3.00	46.67
1869,	5.12	2.34	4.56	3.08	5.18	7.28	5.68	2.21	3.96	1.81	3.27	4.94	49.43
1870,	5.16	4.54	4.00	1.35	5.61	2.83	6.63	3.23	2.78	4.58	1.54	3.29	45.54
1871,	3.56	2.43	2.70	3.84	2.07	3.16	4.12	3.70	1.27	2.88	4.70	1.99	36.42
1872,	1.21	1.56	2.00	2.03	2.84	4.59	6.44	3.94	1.67	4.20	1.42	5.12	37.02
1873,	4.64	2.52	4.75	4.81	2.58	5.29	4.72	6.88	1.78	4.74	2.98	4.38	50.07
1874,	4.29	3.88	3.50	6.11	1.87	2.47	5.33	2.92	2.86	1.35	3.82	4.23	42.63
1875,	3.50	2.03	6.89	2.41	1.81	3.57	4.73	4.63	2.90	2.19	3.00	3.68	41.34
1876,	4.70	.....	4.68	2.92	.....	.....	.....	2.26	.....	.....	2.55	.....	.....
1882,	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.53	1.45	2.50	.....
1883,	4.26	6.85	2.60	4.38	4.27	6.17	6.05	1.66	2.24	2.89	2.55	3.75	47.67
1884,	3.29	4.69	5.10	3.00	2.86	9.85	5.29	4.07	2.14	3.76	1.82	3.65	49.52
1885,	3.82	2.23	1.34	3.63	4.06	2.96	6.14	8.03	1.14	2.92	3.73	2.72	42.72
1886,	4.27	1.90	3.62	3.44	3.87	4.93	5.47	2.92	4.50	0.97	6.03	2.94	44.86
1887,	2.57	7.62	2.49	3.26	3.38	7.02	3.55	3.65	3.50	0.81	2.28	3.12	43.25
1888,	5.47	1.73	3.00	2.27	4.58	2.38	3.66	8.19	4.37	4.50	3.86	2.89	46.90
1889,	3.32	1.96	3.12	4.61	11.60	3.71	7.33	4.00	2.76	3.21	3.86	4.67	54.05
1890,	4.41	5.33	5.29	3.39	6.77	2.74	3.24	6.41	5.37	6.36	1.73	4.15	55.19
1891,	3.62	7.01	3.97	2.34	1.29	8.71	7.03	4.08	2.38	3.17	3.27	5.15	52.02
1892,	3.49	3.17	3.61	2.34	7.13	4.97	2.41	3.74	2.12	0.59	3.21	1.36	38.14
1893,	4.12	6.77	2.49	4.89	5.47	2.25	4.21	3.26	3.21	2.62	1.72	4.10	45.11
1894,	3.15	2.14	2.27	2.98	7.53	2.07	4.06	1.15	7.03	2.97	3.04	3.85	42.29
1895,	5.19	0.96	1.90	3.81	2.38	2.87	2.85	3.08	2.20	1.26	2.57	3.48	32.55
1896,	1.22	3.57	4.02	2.40	2.20	5.76	8.83	3.98	4.45	2.62	3.26	1.82	44.13
1897,	2.15	2.78	4.25	4.14	4.55	3.14	7.02	2.46	3.16	0.68	6.04	4.57	44.94
1898,	3.81	2.06	8.40	2.30	3.30	5.03	3.41	4.12	1.54	5.21	3.55	3.56	46.29
1899,	3.12	3.03	4.42	1.67	5.34	3.00	3.84	3.54	3.00	1.56	2.31	3.96	38.79
1900,	3.21	3.63	3.64	1.36	d2.77	.....	.....	.....	.....	3.32	4.71	2.40	.....
1901,	2.03	1.98	1.88	5.22	3.51	.....	.....	4.22	2.95	0.26	.....	.....	.....
1902,	2.42	1.84	2.87	3.71	2.81	.....	.....	.....	.....	.....	.....	.....	.....
1903,	.....	4.64	4.89	3.72	2.51	4.98	5.15	4.94	1.98	4.55	.....	.....	.....
1904,	5.75	3.09	6.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1905,	3.00	0.85	3.30	3.22	2.26	3.27	.....	.....	.....	.....	.....	.....	.....
Means,	3.58	3.88	3.92	3.36	4.15	4.24	4.98	4.05	3.27	2.82	3.12	3.62	44.90

Green Lane, Montgomery Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1883,	.....	.....	.....	.....	.....	.....	.....	3.20	6.51	5.20	1.69	4.21	.....
1884,	5.28	5.84	4.35	2.30	3.06	5.24	7.32	3.72	0.40	3.97	3.12	6.03	50.63
1885,	3.79	4.09	0.80	2.54	2.36	1.18	2.48	4.96	0.90	4.29	3.32	3.25	33.96

Greensboro, Greene Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	2.47	3.28	2.64	2.58	4.63	6.79	4.37	3.95	3.04	2.87	7.50	2.56	46.68
1890,	5.10	5.25	5.19	3.75	9.23	5.38	4.05	6.05	8.03	8.05	2.14	2.93	65.15
1891,	3.19	6.18	3.97	2.11	4.86	6.86	6.10	3.29	2.82	2.95	3.24	3.57	49.14
1892,	2.87	2.20	3.21	2.77	5.28	5.39	4.96	1.86	2.01	0.83	3.28	1.51	36.17
1893,	2.67	5.00	0.86	5.04	4.96	1.58	2.04	3.19	1.18	2.84	2.03	2.37	33.76
1894,	2.33	3.07	2.36	3.31	4.56	2.49	3.81	1.94	3.73	2.16	2.31	3.67	35.74
1895,	4.34	1.08	2.92	3.88	1.55	3.93	5.25	4.27	0.55	0.92	3.12	2.83	34.64
1896,	1.51	3.21	4.10	2.69	3.36	5.26	12.72	1.93	4.20	3.20	3.13	1.40	46.71
1897,	1.86	4.86	3.54	3.98	4.93	4.15	4.42	1.86	0.65	T	5.36	4.86	40.47
1898,	4.95	2.06	6.05	4.06	3.67	4.42	3.95	6.71	1.50	5.79	2.66	2.81	48.63
1899,	3.97	3.60	5.47	1.14	5.16	5.70	6.25	1.88	8.30	1.18	3.72	3.53	49.90
1900,	2.21	3.57	4.82	1.56	2.96	6.07	7.15	2.86	1.44	3.58	6.59	1.72	44.53
1901,	1.83	0.43	2.62	7.09	7.00	5.88	2.59	3.66	4.59	0.27	2.74	5.64	44.34
1902,	2.26	1.55	3.72	3.77	3.11	5.48	7.06	2.02	2.58	3.79	1.45	5.02	41.81
1903,	1.52	5.31	4.32	4.93	3.02	5.94	5.56	4.04	1.36	3.18	1.89	1.12	42.19
1904,	2.08	2.26	4.72	3.46	3.81	3.95	6.06	2.58	1.20	1.36	0.20	2.46	34.14
1905,	2.76	1.54	5.10	3.99	2.54	6.04	5.97	3.76	1.70	4.86	2.94	4.29	45.49
1906,	3.54	1.50	4.24	3.02	2.78	5.33	2.22	3.02	1.80	3.38	1.41	4.40	36.64
1907,	7.60	1.84	6.60	1.56	3.61	4.62	8.82	3.66	3.82	2.82	3.28	2.66	50.89
1908,	2.29	3.08	5.88	3.52	5.88	2.50	4.50	2.44	2.38	0.68	0.88	2.51	36.54
1909,	3.42	4.12	2.30	4.72	2.95	6.44	1.94	2.41	0.83	2.72	0.69	2.02	34.56
1910,	6.42	2.58	0.33	2.28	2.88	5.86	4.18	1.60	4.72	1.16	2.14	b2.17	b36.32
1911,	5.64	2.91	2.13	3.94	0.96	3.90	1.17	7.08	6.36	4.56	2.30	3.68	44.63
1912,	2.18	2.34	5.81	4.02	2.46	4.72	8.56	4.48	6.66	1.56	1.16	2.76	46.71
1913,	7.42	2.19	3.74	2.64	5.98	2.80	6.68	1.48	1.90	4.64	4.86	2.90	47.23
1914,	1.90	3.59	1.56	5.02	1.56	2.56	4.24	4.03	0.88	2.78	1.24	6.30	35.66
1915,	5.23	3.54	1.08	2.24	4.44	1.56	3.88	3.10	2.38	4.64	3.34	4.62	40.05
Means,	3.47	3.04	3.68	3.45	4.00	4.65	5.13	3.30	2.99	2.84	2.80	3.20	42.55

Greensburg, Westmoreland Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1908,	.....	.....	.....	4.39	5.88	1.54	3.06	1.87	0.70	0.57	0.84	2.99	.....
1909,	3.10	3.99	3.50	5.58	2.84	4.49	3.06	2.39	2.28	3.14	0.62	2.05	37.04
1910,	6.58	3.13	0.33	3.18	2.84	3.87	2.71	2.56	3.94	1.44	1.80	3.70	36.08
1911,	4.04	2.10	1.95	4.73	2.19	2.72	2.96	4.12	7.91	4.27	2.56	4.28	43.83
1912,	2.26	1.85	6.60	4.53	1.76	6.38	8.40	5.62	6.51	2.04	1.21	2.59	49.75
1913,	6.68	2.19	3.63	2.14	3.82	3.11	6.22	2.38	3.66	5.37	3.30	3.39	45.88
1914,	1.77	3.77	2.94	4.62	3.09	3.98	2.26	4.70	0.62	2.31	1.59	4.93	36.58
1915,	4.16	3.06	1.27	1.68	4.75	3.18	4.20	2.94	2.28	3.09	2.24	4.20	37.05
Means,	4.08	2.87	2.89	3.86	3.40	3.66	4.11	3.32	3.49	2.78	1.77	3.52	39.75

Greenville, Mercer Co.— (Elevation 1,725 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	3.50	1.63	1.92	2.73	2.63	3.44	3.95	3.18	4.07	3.16	5.17	1.61	36.99
1889,	3.52	1.18	.....	2.50	2.57	3.51	1.04	1.83	3.68	2.74	2.72	3.03	.....
1890,	4.58	5.05	5.12	4.57	.....	3.44	2.52	4.28	6.19	6.85	2.92	2.68	.....
1891,	1.22	2.50	3.33	1.75	3.31	6.72	.....	.....	.....	.....	.....	.....	.....
1894,	2.23	1.62	1.94	2.55	3.03	1.78	3.32	0.54	6.03	0.65	2.47	2.27	28.43
1895,	3.50	1.08	.....	2.35	2.75	3.26	.....	.....	.....	.....	.....	.....	.....
1897,	.....	.....	5.63	2.93	4.10	3.55	8.16	4.88	1.91	0.47	5.89	4.73	.....
1898,	6.84	3.27	5.53	2.04	3.59	3.60	3.08	5.42	1.76	3.80	.....	.....	.....
1903,	2.75	5.42	5.10	4.11	2.09	7.21	7.32	4.73	1.48	4.10	2.78	2.87	49.96
1904,	5.03	3.36	4.37	3.45	5.04	4.68	5.59	4.11	2.59	1.37	1.07	2.16	42.82
1905,	2.89	2.20	2.93	3.56	4.06	5.63	9.78	4.10	2.81	5.52	1.90	2.37	47.75
1906,	1.56	1.59	3.51	2.36	3.08	2.41	3.72	5.79	3.69	5.20	2.04	2.09	37.04
1907,	6.18	1.62	4.27	2.80	3.81	6.79	6.48	1.68	4.07	3.71	2.94	3.36	47.71
1908,	2.62	4.08	5.20	3.94	4.01	3.80	6.76	2.19	0.91	1.07	1.01	3.51	39.10
1909,	4.00	4.52	3.19	4.95	3.54	5.58	1.18	1.39	1.30	2.11	2.49	2.48	36.73
1910,	5.47	3.77	0.24	3.92	4.49	1.33	3.04	1.45	5.35	4.35	3.61	3.21	40.23
1911,	3.95	2.17	2.41	3.49	2.00	5.98	2.25	8.02	7.41	4.89	3.11	4.49	50.17
1912,	3.50	2.36	3.75	5.60	1.84	3.53	6.04	6.88	3.86	4.70	1.55	3.01	46.62
1913,	6.93	2.15	9.08	2.10	3.05	2.80	3.65	2.13	1.33	4.69	3.69	2.15	43.75
1914,	3.71	1.78	2.67	5.59	3.96	3.53	5.78	5.33	0.73	3.28	2.58	4.01	42.95
1915,	3.49	3.03	1.23	0.82	3.30	5.18	5.35	6.22	3.41	2.46	2.46	3.95	40.90
Means,	3.87	2.72	3.76	3.24	3.31	4.18	4.68	3.90	3.29	3.43	2.80	3.00	42.18

Grove City, Mercer Co.—(Elevation 1,256 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1907,	4.51	1.02	6.22	4.17	2.76	3.04	4.53	1.08	4.01	2.46	1.97	3.08	38.85
1908,	1.86	3.25	6.27	5.73	3.83	2.39	9.42	1.95	0.98	1.61	0.97	3.71	41.97
1909,	3.62	4.84	3.19	5.96	3.57	4.45	2.68	1.72	0.91	1.26	1.39	2.36	35.95
1910,	7.71	4.53	0.39	3.80	4.69	2.53	2.83	2.09	6.28	2.83	2.08	2.96	42.72
1911,	4.17	2.34	2.86	4.90	1.93	3.81	1.61	6.27	6.43	6.55	3.20	3.86	47.93
1912,	2.53	1.53	3.02	4.76	2.71	4.55	6.52	7.44	3.85	3.19	1.01	2.82	43.93
1913,	6.10	2.12	5.96	2.69	3.79	2.26	6.91	4.00	1.32	3.93	3.56	1.26	43.90
1914,	3.11	1.89	2.08	7.22	4.07	3.19	2.95	3.50	0.90	3.29	1.80	3.81	37.99
1915,	4.64	2.65	1.12	0.83	3.26	5.50	5.09	4.85	3.09	2.01	2.31	3.97	39.32
Means,	4.25	2.69	3.46	4.45	3.40	3.52	4.73	3.66	3.09	3.01	2.03	3.09	41.38

Hadley, Mercer Co.—(Elevation 1,050 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	3.25	1.90	2.85	5.29	3.93	3.72	2.46	5.71	0.79	3.53	1.28	3.58	38.29
1915,	3.05	3.25	1.11	1.10	2.51	4.63	6.87	5.89	3.15	1.98	2.36	4.04	39.94

Note: This station maintained and operated by Water Supply Commission of Pennsylvania.

Hamburg, Berks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1890.	.....	.....	.....	.....	.....	.....	.....	.....	3.94	5.26	0.87	2.21	.....
1891,	5.27	3.94	5.48	2.26	2.24	2.23	*9.30	6.30	1.77	2.69	1.48	4.06	47.02
1892,	5.25	0.44	3.81	1.44	4.53	4.82	2.41	3.78	2.39	0.37	4.85	1.33	35.42
1893,	.....	*5.65	3.97	4.53	6.82	1.63	3.34	5.74	5.59	3.57	3.54	3.07	.....
1894,	2.22	4.47	1.53	3.55	10.31	1.40	3.02	2.24	6.25	6.36	3.06	3.61	48.02
1895,	5.82	0.71	2.05	6.85	3.23	2.56	3.51	2.42	1.62	3.14	1.60	3.78	37.29
1896,	0.80	4.68	5.02	2.05	4.96	4.03	6.00	1.96	4.84	4.25	4.75	0.97	44.31
1897,	2.50	4.61	3.49	3.76	8.15	4.59	6.99	4.16	1.83	1.79	7.04	6.25	55.16
1898,	6.06	1.74	4.01	5.19	7.85	1.47	5.26	7.26	1.14	6.72	4.69	3.02	54.41
1899,	4.41	3.95	6.69	2.27	4.83	5.25	6.30	3.00	6.90	1.40	3.15	2.75	50.90
1900,	3.50	5.95	3.95	2.05	3.20	4.20	5.30	4.30	1.60	2.00	3.00	2.95	42.00
1901,	3.11	1.03	6.09	4.80	6.55	4.55	4.88	13.65	5.10	1.75	2.19	7.19	60.89
1902,	4.09	6.44	4.38	4.59	.....	.....	.....	1.53	6.06	3.98	0.51	6.64	.....
1903,	3.73	5.77	4.54	4.02	0.32	4.96	8.21	5.34	1.45	8.42	1.60	3.37	51.73
1904,	3.66	2.33	3.57	3.06	4.85	5.44	5.63	8.64	4.92	3.56	1.73	3.32	50.71
1905,	5.05	1.95	4.41	3.88	1.28	3.48	5.49	9.20	6.80	7.06	2.59	4.02	55.21
1906.	2.36	2.77	5.89	5.04	2.31	7.84	3.66	8.46	4.88	6.42	1.90	5.75	57.28
1907,	3.20	2.22	4.31	1.26	4.53	3.65	5.19	5.61	9.91	3.80	3.02	7.39	54.09
1908,	2.18	4.78	6.17	5.56	5.91	1.31	6.71	3.54	3.53	3.20	0.77	2.17	45.83
1909,	1.88	9.86	3.56	6.96	5.52	5.62	1.53	1.61	3.43	4.60	1.03	3.19	48.79
1910,	3.77	4.02	0.36	8.50	3.79	6.38	2.43	2.41	8.42	1.58	2.88	3.32	47.86
1911,	3.36	0.86	3.53	4.25	6.81	10.11	7.28	12.32	1.86	9.23	5.42	2.58	67.61
1912,	2.94	1.13	7.72	7.31	3.77	4.84	3.70	5.19	6.05	4.05	3.34	4.97	55.01
1913.	3.26	2.07	7.82	9.28	2.89	1.51	2.57	5.64	4.12	6.69	1.43	1.18	48.46
1914,	3.52	1.96	0.88	3.22	2.10	2.19	3.62	3.96	1.06	*1.93	2.75	5.25	*32.44
1915,	9.69	.....	1.10	3.96	4.76	.....	6.41	10.07	6.96	4.14	.....	.....	.....
Means,	3.82	3.47	4.17	4.39	4.65	4.09	4.95	5.53	4.32	4.15	2.77	3.77	50.08

Note: *Interpolated.

Hamlinton, Wayne Co.—(Elevation 1,100 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1869,	.....	.....	.....	1.88	6.29	4.76	3.25	1.92	5.85	8.06	3.40	3.95	.....
1870,	4.07	3.98	4.15	4.22	1.70	4.65	3.60	2.31	1.47	3.60	1.50	1.13	36.38
1871,	2.05	1.80	5.31	1.55	2.65	2.50	7.63	4.73	0.75	2.02	2.29	3.00	36.28
1872,	.....	.....	.....	.....	2.30	6.33	3.80	4.70	3.00	.....	0.30	3.20	.....
1873,	2.00	1.55	2.00	2.75	2.25	.....	.....	.....	.....	.....	.....	.....	.....
1874,	.....	.....	.....	.....	.....	3.12	5.15	.....	.....	.....	.....	.....	.....

Hamlinton, Wayne Co.—(Elevation 1,575 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	2.47	1.19	2.72	3.97	2.78	4.17	3.22	2.25	.....
1914,	1.49	4.95	4.37	6.17	3.05	3.77	9.05	3.31	1.83	1.90	1.53	*4.90	46.32
1915,	4.69	3.68	0.85	2.14	4.09	2.50	5.87	8.65	3.75	1.84	1.85	4.73	44.64

Notes: *Mean of Wilsonville, Paupack, Promised Land and South Sterling. This record furnished by L. B. Stillwell, Consulting Engineers, New York City.

Hanover, York Co.—(Elevation 600 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1904,	†4.39	†1.08	†2.93	1.36	2.21	4.49	3.47	*3.60	*2.42	2.62	1.75	2.30	32.62
1905,	4.30	2.09	3.80	2.70	2.65	5.15	6.60	9.16	2.58	4.13	2.19	3.75	49.10
1906,	2.70	1.89	4.23	4.45	3.46	5.53	2.90	6.85	1.34	6.92	0.86	5.39	46.52
1907,	2.51	2.95	2.86	2.45	2.51	4.77	6.39	2.34	4.87	2.91	3.65	4.65	42.86
1908,	1.88	4.86	3.52	1.85	7.53	1.17	9.57	3.00	2.15	1.53	0.70	2.17	39.93
1909,	2.07	4.57	4.03	3.57	2.34	3.68	0.77	1.37	1.85	2.23	0.70	2.81	29.99
1910,	4.10	4.13	0.36	5.69	2.72	4.49	0.90	3.25	1.19	1.57	1.43	2.18	32.01
1911,	3.85	2.33	2.32	3.22	2.06	3.88	3.52	12.58	2.67	2.59	3.00	3.52	45.54
1912,	0.78	0.37	6.03	2.41	2.63	4.49	4.86	3.28	3.82	1.70	2.05	3.23	35.65
1913,	2.46	1.57	5.17	3.78	3.97	0.67	3.30	1.69	3.94	5.41	2.24	3.35	37.55
1914,	4.72	2.95	1.57	3.63	2.43	4.77	6.04	3.05	1.22	0.89	1.45	4.75	37.47
1915,	6.92	5.39	1.25	2.22	5.55	3.50	3.32	7.68	3.09	2.72	0.98	4.31	46.93
Means,	3.39	2.85	3.17	3.11	3.34	3.88	4.30	4.82	2.60	2.94	1.75	3.53	39.68

Note: †York record. *Interpolated.

Harrisburg, Dauphin Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1840,	.....	.....	.....	.....	.....	.....	.....	3.52	1.53	4.23	2.37	3.26	.....
1841,	.....	.....	3.82	4.47	.....	3.21	2.05	1.75	1.78	1.27	.....	.....	.....
1843,	.....	.....	.....	2.21	3.98	1.92	3.01	4.75	8.32	5.30	.....	0.90	.....
1844,	.....	.....	.....	.....	.....	.....	.....	3.22	.....	.....	.....	.....	.....
1845,	0.75	1.95	0.10	.....	.....	.....	1.51	2.64	1.80	5.80	3.29	2.05	.....
1854,	3.50	.....	0.79	5.31	3.16	5.23	2.51	3.16	0.74	3.57	3.12	9.00	.....
1855,	.....	.....	.....	1.88	2.96	8.54	9.19	3.15	3.68	4.82	1.56	.....	.....
1856,	1.80	.....	.....	3.76	3.19	3.18	2.04	2.90	0.32	2.03	2.08	2.95	.....
1857,	1.25	.....	1.33	2.80	8.03	11.20	3.22	2.92	2.09	1.18	1.00	5.67	.....
1858,	1.88	1.80	0.80	2.32	10.04	4.97	2.64	4.14	2.04	4.17	5.40	4.23	44.43
1859,	3.09	2.84	6.06	5.53	1.40	4.30	3.35	5.30	8.96	1.66	1.04	2.75	46.28
1860,	0.76	2.89	2.05	3.82	4.79	3.07	1.83	7.83	1.38	4.09	3.44	2.65	38.60
1861,	3.65	1.77	2.47	4.32	3.83	1.62	4.16	2.69	4.70	3.00	2.92	1.00	36.13
1862,	6.19	1.85	3.79	4.67	1.66	9.62	2.06	0.38	1.28	3.21	1.10	1.24	37.05
1863,	5.22	3.67	5.60	4.17	3.38	2.97	13.58	1.06	4.56	5.60	3.05	6.81	59.67
1864,	2.47	0.74	4.56	5.86	5.36	2.68	5.18	4.92	12.39	1.69	2.51	3.26	51.62
1865,	4.15	3.51	5.78	2.24	8.57	2.22	2.69	3.53	4.74	3.09	1.77	3.50	45.79
1866,	2.34	4.11	0.72	3.77	2.98	5.78	3.78	2.34	4.39	3.59	3.27	2.06	39.13
1867,	2.09	4.22	5.21	2.01	5.72	3.64	2.55	12.17	2.47	3.14	0.89	3.05	47.16
1868,	4.08	1.76	2.47	5.02	4.40	3.40	2.36	1.70	5.58	0.60	6.20	2.72	40.29
1869,	4.21	3.49	4.76	1.68	3.66	5.46	3.77	.....	.....	.....	2.62	6.97	.....
1870,	10.10	4.11	3.75	4.45	4.07	7.65	2.36	.....	.....	.....	.....	.....	.....
1871,	.....	.....	.....	2.92	3.71	5.94	8.49	8.95	2.43	.....	.....	.....	.....
Means,	3.38	2.75	3.18	3.66	4.47	4.83	3.92	3.95	3.76	3.27	2.65	3.56	43.73

Note: Diary of Rev. John Heisley.

Harrisburg, Dauphin Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1889,	2.86	1.48	3.26	3.96	9.51	7.18	8.68	3.58	4.53	3.33	6.59	2.11	57.07
1890,	2.01	3.39	3.80	2.46	6.61	2.97	2.80	5.70	2.89	6.40	1.12	2.42	42.57
1891,	4.73	3.31	4.25	1.70	1.77	3.76	8.40	5.20	1.75	2.87	1.95	3.71	43.40
1892,	5.14	1.02	4.81	2.15	3.95	4.93	6.48	2.39	3.31	0.15	4.15	1.17	39.65
1893,	2.05	4.66	1.97	3.67	5.32	2.46	1.92	3.69	1.74	3.25	2.54	1.91	35.18
1894,	1.77	4.56	1.30	2.27	6.07	3.25	1.89	4.08	5.53	4.60	1.90	3.34	40.56
1895,	3.80	0.54	1.94	3.67	1.98	1.66	1.16	2.36	2.18	1.63	1.72	3.38	26.02
1896,	1.00	5.48	3.85	1.19	2.99	3.82	6.32	1.45	1.81	3.45	3.30	0.40	35.06
1897,	1.60	2.77	2.87	2.53	5.30	1.83	3.68	3.13	1.30	1.35	4.09	3.21	33.66
1898,	3.23	1.60	3.04	1.95	6.13	1.98	5.07	8.44	2.08	5.26	3.15	3.16	45.09
1899,	2.27	3.71	3.69	1.15	4.49	2.93	1.90	4.85	4.25	0.78	2.13	1.83	33.98
1900,	2.07	3.40	3.00	1.43	1.33	2.88	3.14	4.72	1.41	1.25	2.69	1.62	28.94
1901,	1.83	0.53	3.60	2.88	5.98	1.13	1.52	2.99	2.16	1.15	1.29	4.75	29.81
1902,	3.28	3.98	2.98	2.73	0.29	4.76	3.68	2.26	4.01	5.81	1.49	4.57	39.84
1903,	3.67	4.19	3.76	3.24	0.46	5.63	1.76	5.82	1.95	2.62	0.88	1.92	35.90
1904,	3.11	1.54	2.72	2.07	3.45	3.99	4.76	2.95	1.69	2.78	0.54	2.39	31.99
1905,	4.15	1.15	3.17	1.39	1.73	2.79	5.01	5.28	2.80	3.65	1.51	3.39	36.02
1906,	1.76	2.10	3.25	3.35	1.28	5.00	1.74	5.39	2.39	4.07	0.54	3.34	34.21
1907,	2.66	1.81	3.33	2.12	1.45	3.43	1.99	2.59	8.27	1.54	2.63	4.43	36.25
1908,	1.78	5.01	3.27	2.33	3.48	1.05	5.51	2.43	1.50	4.15	0.89	2.07	33.47
1909,	1.83	4.13	2.82	2.67	2.40	4.26	0.86	0.81	2.62	2.37	0.41	2.98	28.16
1910,	3.91	3.54	0.25	4.20	4.11	4.91	1.41	2.21	2.78	1.30	0.83	2.57	32.02
1911,	2.36	1.94	2.93	3.03	2.26	2.23	1.81	9.73	3.68	2.80	2.38	2.75	37.90
1912,	1.88	2.10	4.91	3.95	2.81	2.78	2.08	3.03	4.27	0.90	1.55	3.83	34.09
1913,	2.58	1.72	5.03	3.89	2.73	1.07	2.92	4.35	3.51	6.20	1.68	2.74	38.42
1914,	3.14	3.51	1.58	4.52	2.61	3.13	6.21	4.43	0.68	1.36	1.25	4.63	37.05
1915,	6.04	4.26	1.86	2.13	2.84	3.51	4.03	10.29	3.10	1.92	1.45	3.35	44.78
Means,	2.83	2.87	3.08	2.69	3.46	3.31	3.58	4.23	2.90	2.85	2.02	2.89	36.71

Harrisburg, Dauphin Co.—(Elevation 405 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	.....	.....	.....	.....	.....	.....	.....	5.27	0.75	1.54	1.84	4.61	.....
1915,	6.69	5.18	1.56	2.33	3.27	4.18	5.21	11.00	3.54	2.47	1.96	4.13	51.52

Note: This station maintained and operated by Water Supply Commission of Pennsylvania.

Hawley, Wayne Co.—(Elevation 899 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1897,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.32	5.05	.....
1898,	4.25	1.71	3.74	3.26	4.95	3.50	5.48	4.72	3.17	4.79	4.95	3.62	48.14
1899,	3.52	6.03	4.28	1.67	3.42	5.50	5.25	2.43	3.86	2.30	2.32	2.69	43.27
1900,	2.46	4.23	2.99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Hawthorne, Clarion Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1899,	.....	5.01	10.30	3.25	6.17	4.88	6.95	2.47	3.76	2.20	2.20	4.25	.....
1900,	3.35	6.94	4.76	1.18	3.14	4.37	6.05	5.53	2.52	3.28	4.92	1.87	47.91
1901,	2.68	1.26	4.47	7.10	.....	3.53	2.71	5.31	2.21	2.36	3.86	4.40	.....
1902,	2.58	f1.93	3.41	2.90	3.11	7.52	8.57	1.04	3.46	.....	.....	.....	.....
1903,	.....	.....	.....	3.48	1.99	5.95	5.05	6.17	2.68	.....	3.00	.....	.....

Herrs Island Dam, Allegheny Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1898,	.....	.....	.....	1.19	4.45	4.23	1.71	4.67	1.02	3.90	2.17	2.17	.....
1899,	2.78	2.94	3.84	2.41	3.06	3.25	2.50	2.39	2.27	0.93	3.41	2.20	31.98
1900,	1.84	3.00	2.81	1.46	1.22	4.34	3.91	0.97	0.89	2.36	3.93	1.54	28.27
1901,	1.87	0.74	3.69	7.73	5.61	4.60	2.82	3.87	2.04	0.33	1.64	4.54	39.48
1902,	1.48	1.53	3.60	3.28	2.25	5.06	3.63	1.77	2.00	3.10	1.03	4.52	33.25
1903,	2.62	3.71	5.12	3.15	1.82	4.88	3.71	4.65	1.10	2.67	2.98	1.57	37.98
1904,	2.62	2.13	5.44	3.37	2.88	6.67	3.78	3.00	2.79	1.93	0.22	2.01	36.84
1905,	2.50	1.43	3.15	2.52	3.08	7.09	3.19	3.46	2.75	3.47	2.66	3.40	38.70
1906,	2.15	1.22	3.60	1.91	2.01	4.60	5.85	3.33	3.24	3.35	1.20	2.61	35.07
1907,	5.27	1.19	5.63	2.06	2.34	3.88	5.04	1.78	3.66	1.94	2.02	3.01	37.82
1908,	1.84	3.45	5.43	3.21	4.86	1.52	5.11	2.63	0.77	1.07	0.52	2.49	32.90
1909,	2.96	4.68	3.48	5.04	2.16	5.59	1.55	2.90	0.91	2.34	0.85	2.33	34.79
1910,	5.56	3.85	0.47	2.61	2.87	2.51	2.16	2.40	5.28	1.62	1.55	2.80	33.68
1911,	3.33	1.94	2.14	5.27	0.25	3.55	2.42	6.45	6.81	4.94	2.09	3.82	43.01
1912,	1.88	1.84	4.86	4.40	1.51	4.80	6.82	2.92	2.97	2.32	0.75	2.87	37.94
1913,	5.75	1.96	4.52	2.61	3.00	0.92	4.97	1.83	2.31	4.24	2.80	2.62	37.53
1914,	2.24	3.41	2.02	4.13	3.30	3.60	1.57	4.91	0.73	2.84	0.99	4.30	34.04
1915,	4.16	2.49	1.36	1.07	3.96	5.01	4.53	2.55	1.68	2.77	2.34	3.71	35.63
Means,	2.99	2.44	3.60	3.19	2.81	4.23	3.63	3.14	2.40	2.56	1.84	2.92	35.75

Hollidaysburg, Blair Co. —(Elevation 947 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	5.69	2.12	2.55	2.38	6.94	2.31	3.73	7.26	3.34	3.85	3.05	1.68	44.90
1889,	2.56	1.91	3.69	4.07	7.43	2.71	6.22	1.37	3.01	2.90	6.00	3.36	45.23
1890,	3.04	4.76	4.18	4.96	5.82	4.30	2.37	3.87	5.18	5.02	1.48	5.71	50.63
1891,	3.74	5.92	5.60	1.60	1.95	4.91	4.98	4.26	2.16	2.76	2.76	3.89	44.53
1892,	3.51	2.37	4.89	2.84	5.32	6.28	3.01	3.53	2.89	0.29	3.76	1.97	40.66
1893,	2.41	6.39	1.86	5.22	5.23	1.61	2.26	4.18	1.92	3.93	2.13	2.32	39.46
1894,	2.07	4.23	1.44	3.08	11.35	3.87	2.03	2.47	5.68	2.36	1.40	4.13	44.11
1895,	5.74	1.03	2.33	2.52	2.39	4.84	2.66	2.03	1.91	1.10	0.97	3.00	30.52
1896,	1.81	3.70	4.96	2.07	2.64	7.38	7.10	1.76	6.33	1.81	1.73	1.31	42.60
1897,	2.40	4.58	3.75	2.77	3.52	1.66	4.07	1.95	2.75	0.57	4.95	3.46	36.43
1898,	4.64	1.21	5.38	1.99	6.30	1.52	2.36	4.31	d0.73	4.79	1.44	2.94	d37.61
Means,	3.42	3.47	3.69	3.05	5.35	3.76	3.71	3.36	3.26	2.67	2.70	3.07	41.51

Holsopple, Somerset Co.—(4 miles above Holsopple at Quemahoning Dam)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1902,	2.24	2.90	4.02	4.62	1.83	6.38	7.36	2.07	2.27	3.72	1.69	4.60	43.70
1903,	2.59	5.01	3.20	2.74	1.82	5.27	6.06	6.23	1.15	2.96	2.19	1.64	40.86
1904,	3.47	2.58	3.85	3.58	2.46	2.42	6.07	2.85	1.99	1.50	1.07	2.14	33.98
1905,	3.87	1.98	3.88	3.41	3.66	4.71	7.49	5.95	2.70	4.59	2.57	3.51	48.32
1906,	2.84	1.07	5.00	2.28	3.52	8.48	1.82	5.97	1.80	2.35	1.24	4.96	41.33
1907,	6.10	2.42	5.80	2.76	3.77	4.71	4.48	4.64	3.85	1.89	3.62	2.94	46.98
1908,	3.64	3.72	6.71	4.36	6.00	2.27	3.07	1.98	0.76	0.24	0.91	3.16	36.82
1909,	2.32	3.57	3.20	6.39	2.17	5.01	1.46	2.21	1.51	3.85	0.56	3.36	35.61
1910,	5.66	2.99	0.47	3.55	3.54	5.09	2.19	1.48	3.48	1.39	1.38	3.44	34.66
1911,	2.88	1.68	2.55	3.30	2.33	5.82	2.80	8.01	8.09	3.03	1.96	3.38	45.83
1912,	1.58	2.20	6.22	4.22	3.58	5.72	7.94	4.70	8.29	2.70	2.20	2.59	51.94
1913,	5.20	1.35	3.33	3.02	4.96	2.97	5.09	3.33	4.50	6.66	3.93	1.98	46.32
1914,	2.49	3.49	3.16	5.93	2.46	8.87	4.63	2.69	0.60	2.56	1.11	3.69	41.68
1915,	4.73	3.38	0.99	0.86	6.17	3.70	5.25	3.50	2.67	2.79	1.94	3.37	39.35
Means,	3.54	2.74	3.74	3.64	3.45	5.10	4.69	3.97	3.12	2.87	1.88	3.20	41.94

Note: This record furnished by the Cambria Steel Company, Johnstown, Pa.

Honesdale, Wayne Co.—(Elevation 1,000 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1882,	4.60	3.23	2.00	1.30	5.24	3.58	6.54	3.33	3.39	1.68	0.93	1.50	37.32
1883,	2.38	2.84	2.27	3.00	3.18	6.51	5.44	0.77	2.66	3.61	1.37	2.50	36.53
1884,	3.75	4.06	4.39	2.96	5.40	1.87	5.36	3.24	1.76	2.76	2.64	3.97	42.16
1885,	4.46	3.01	0.92	2.51	2.79	2.17	4.03	9.58	1.71	3.58	4.31	2.33	41.40
1886,	2.75	3.02	3.64	2.67	6.23	2.39	3.29	2.74	4.29	2.56	6.36	2.31	42.25
1887,	3.01	5.37	3.62	2.62	2.65	4.39	8.93	5.11	2.28	1.10	2.52	4.80	46.40
1888,	4.03	3.02	4.05	2.98	2.98	2.39	3.75	5.59	7.17	3.92	3.97	3.63	47.48
1889,	4.15	2.10	1.88	5.55	5.47	2.13	5.55	2.60	5.90	4.02	5.31	3.53	48.19
1890,	2.29	3.19	4.48	2.87	6.11	4.14	4.73	5.97	4.55	6.77	1.18	4.01	50.29
1891,	4.21	3.45	4.32	2.68	1.92	1.45	4.71	4.21	2.53	3.74	1.82	3.53	38.57
1892,	5.32	2.02	2.88	1.58	7.15	5.25	3.68	5.78	2.15	0.82	4.62	1.72	42.97
1893,	2.39	5.67	3.35	3.89	5.70	2.20	3.77	3.17	2.83	1.99	2.49	4.08	41.53
1894,	2.01	3.63	1.59	3 30	6.07	3.10	0.71	1.53	4.47	5.64	2.18	4.05	38.28
1895,	3.68	0.93	1.51	3.39	2.89	2.07	.....	.....	2.12	2.65	2.16	3.24	.....
1896,	.....	4.78	6.08	0.20	.....	.....	.....	1.68	4.88	3.29	.....	.....	.....
1897,	.....	.....	2.09	3.95	5.92	.....	5.84	.....	.....	.....	.....	.....	.....
1914,	.....	.....	.....	.....	.....	.....	.....	.....	1.07	2.30	1.80	4.23	.....
1915,	5.35	4.17	1.53	2.03	3.01	3.34	4.71	7.35	4.16	1.97	2.27	3.94	43.83
Means,	3.63	3.41	2.98	2.79	4.54	3.13	4.74	4.18	3.47	3.22	2.98	3.60	42.67

Huntingdon, Huntingdon Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1895,	.....	.....	.....	.....	2.44	2.14	3.10	3.18	2.09	0.31	1.81	2.84	.....
1896,	2.13	2.99	3.32	1.85	2.56	7.93	3.60	2.29	7.42	2.24	3.04	0.76	40.13
1897,	1.64	3.65	3.37	3.55	4.94	4.28	3.57	3.90	3.29	1.43	5.47	3.18	42.27
1898,	4.60	1.12	4.79	1.73	4.60	2.07	2.03	4.68	0.67	6.54	2.02	2.41	37.26
1899,	2.10	3.49	4.55	1.07	3.83	2.43	3.68	4.96	3.57	0.49	3.25	2.60	36.02
1900,	1.07	2.68	2.61	2.64	3.11	2.77	1.33	1.78	0.64	2.51	4.33	1.38	26.85
1901,	1.32	0.67	3.30	4.18	5.19	1.59	5.20	5.63	2.49	1.50	0.94	5.61	37.62
1902,	1.76	2.08	4.32	3.24	0.91	5.78	3.77	0.91	2.64	5.30	1.04	5.03	36.78
1903,	3.80	5.38	4.13	3.04	1.76	6.32	4.84	6.43	3.02	3.64	1.83	1.40	45.59
1904,	2.83	1.47	3.82	4.44	2.57	5.40	6.81	3.09	0.79	1.80	0.54	1.92	35.48
Means.	2.36	2.61	3.80	2.96	3.19	4.07	3.09	3.68	2.66	2.58	2.43	2.71	36.84

Huntingdon, Huntingdon Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	6.04	1.83	3.26	2.66	8.41	2.85	3.61	8.53	4.13	3.49	2.95	.....	.....
1889,	2.84	0.97	3.17	4.42	7.18	5.60	5.38	1.80	4.53	3.67	6.65	3.14	49.35
1890,	3.00	5.18	3.61	4.91	6.36	4.18	4.56	4.40	3.55	5.04	1.38	3.35	49.52
1891,	3.58	4.84	4.48	1.92	1.89	4.15	4.49	3.80	2.07	3.13	2.39	4.18	40.92
1892,	4.22	1.86	5.11	2.29	6.24	6.44	3.48	4.03	2.81	0.12	3.04	1.55	41.19
1893,	2.10	5.27	2.07	4.61	7.79	2.37	2.39	3.49	3.50	3.70	2.46	2.46	42.21
1894,	1.82	3.44	1.07	3.19	9.20	3.56	1.57	1.26	7.56	2.93	1.81	4.21	41.62
1895,	5.16	0.46	1.42	1.97	3.01	4.78	3.15	1.46	1.26	1.09	1.07	2.99	27.82
1896,	2.27	3.18	3.20	2.02	2.57	7.74	4.63	2.46	6.98	2.12	3.40	0.77	41.34
1897,	1.65	4.69	3.95	3.86	4.69	4.27	3.13	3.38	3.21	1.74	5.16	3.19	43.02
1898,	4.68	1.47	5.00	2.04	6.16	2.29	2.97	5.18	0.95	8.46	2.23	2.26	43.69
1899,	2.61	2.96	5.13	1.32	4.48	2.85	3.89	4.53	3.65	1.26	3.02	3.19	39.89
1900,	2.04	3.72	3.61	1.75	4.30	2.82	2.35	2.61	0.89	3.08	4.59	1.75	33.51
1901,	1.97	0.45	4.18	5.15	5.45	2.36	6.69	5.50	3.15	0.76	1.59	6.73	43.98
1902,	2.44	2.98	5.24	3.79	1.30	7.18	4.30	1.72	3.21	5.67	0.96	5.50	44.29
1903,	3.80	5.38	4.13	3.04	1.76	6.32	4.84	6.43	3.02	3.64	1.83	1.40	45.59
1904,	3.07	2.39	4.00	4.05	2.41	6.42	7.60	4.38	0.84	1.91	0.61	1.78	39.46
1905,	3.28	1.08	4.01	1.79	4.26	4.09	4.85	6.94	2.13	4.85	2.43	4.02	43.73
1906,	2.79	1.60	4.24	2.65	3.67	4.28	2.12	5.77	1.65	3.22	0.84	4.37	37.20
1907,	4.51	1.43	5.67	2.18	2.44	4.99	4.36	3.37	8.28	2.19	2.87	3.95	46.24
1908,	3.73	4.28	6.17	3.00	9.49	2.85	5.01	3.09	1.34	1.23	0.73	3.08	44.00
1909,	2.17	4.80	2.04	5.41	2.15	5.23	1.65	3.49	0.95	2.41	0.27	3.73	34.30
1910,	6.17	2.34	0.58	5.67	1.73	5.46	2.24	3.24	6.43	1.51	1.56	2.25	39.18
1911,	3.69	2.43	2.60	4.10	2.18	3.23	1.72	7.14	6.64	3.90	1.96	3.13	42.72
1912,	1.43	2.77	5.21	4.52	3.97	2.49	4.15	2.73	7.59	1.74	1.85	2.43	40.88
1913,	3.80	1.14	3.17	2.82	3.72	3.18	3.81	2.05	2.28	5.70	2.91	2.80	37.38
1914,	*3.65	3.61	2.38	5.16	2.06	4.05	4.00	2.82	0.91	1.82	1.39	4.13	35.98
1915,	5.58	3.74	1.21	2.23	4.22	.....	2.86	6.68	2.93	2.82	1.63	3.94	.....
Means,	3.36	2.90	3.57	3.30	4.40	4.30	3.78	4.01	3.45	2.97	2.27	3.08	41.39

Note: *Interpolated.

Hyndman, Bedford Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1906,	2.33	0.45	4.21	2.58	0.93	4.42	1.41	9.62	1.18	1.97	0.85	3.98	33.93
1907,	5.28	2.30	6.21	2.03	4.13	8.55	3.17	3.28	4.94	1.47	4.16	3.46	48.98
1908,	4.34	4.79	5.24	4.71	6.96	2.25	2.53	1.86	1.99	0.88	0.73	1.90	38.18
1909,	2.58	2.45	1.71	5.36	1.86	5.41	2.26	3.84	1.10	4.25	0.26	2.85	33.93
1910,	4.31	2.02	0.28	4.07	3.09	7.82	1.46	2.59	3.03	1.23	0.93	1.80	32.63
1911,	3.90	2.10	2.43	3.58	0.93	6.41	0.91	9.74	6.10	3.88	1.82	3.90	45.70
1912,	1.48	2.62	5.38	3.65	3.30	5.74	7.08	3.47	6.90	1.30	1.60	2.72	45.24
1913,	1.51	1.11	2.75	2.38	6.45	1.25	2.69	1.32	2.80	7.30	3.38	2.22	35.16
1914,	3.98	4.72	2.29	4.50	1.41	4.29	2.67	1.68	1.37	3.07	1.72	3.72	35.42
1915,	4.57	4.58	1.99	2.04	4.08	6.27	4.13	6.28	4.08	3.14	2.12	4.00	47.28
Means,	3.43	2.71	3.25	3.49	3.31	5.24	2.83	4.37	3.35	2.85	1.76	3.06	39.65

Indiana, Indiana Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	6.75	1.84	3.34	2.98	5.30	4.60	7.04	10.65	2.82	5.48	2.75	2.52	56.07
1889,	2.94	2.42	1.47	4.50	4.71	3.39	.....	.....	4.60	3.52	5.20	.....	.....
1890,	.....	5.89	4.67	4.66	.....	.....	2.05	.....	8.10	5.31	*d2.14	6.51	.....
1891,	4.40	5.99	3.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1892,	.....	.....	.....	.....	6.20	4.98	.....	1.90	2.75	1.02	.....	.....	.....
1896,	.....	.....	.....	.....	.....	9.11	.....	.....	5.75	3.27	4.45	0.90	.....
1897,	2.56	1.55	.....	.....	2.98	.....	.....	.....	2.90	0.57	6.32	.....	.....
1898,	2.68	1.44	.....	4.13	4.81	.....	.....	.....	1.70	.....	.....	.....	.....
1903,	.....	3.55	4.40	.....	.....	2.82	5.36	5.15	1.17	3.96	2.71	.....	.....
1904,	3.18	3.10	6.12	4.98	2.95	4.13	4.89	3.45	1.79	2.10	0.90	2.75	40.32
1905,	3.37	1.60	3.72	4.74	4.60	4.46	6.29	2.98	3.05	5.45	3.69	3.84	47.79
1906,	1.77	0.36	3.59	2.72	3.35	6.04	4.09	6.26	4.08	3.08	1.33	4.65	41.32
1907,	5.18	1.45	7.71	2.69	3.38	4.62	3.22	2.16	7.74	3.15	2.47	2.57	46.34
1908,	1.74	3.45	6.22	4.92	7.75	3.53	4.96	2.43	0.75	0.29	1.31	4.40	41.75
1909,	2.89	4.97	4.90	6.21	2.93	5.93	3.41	1.95	2.22	2.21	1.08	3.14	41.84
1910,	5.55	4.05	0.81	3.47	3.85	3.19	3.28	2.99	3.98	1.89	2.80	4.21	40.07
1911,	5.52	2.51	2.80	4.99	0.55	4.57	1.85	4.03	8.41	6.67	3.25	5.10	50.25
1912,	2.23	2.58	6.97	4.95	3.55	4.23	8.75	5.67	8.02	4.61	1.33	2.42	55.31
1913,	6.42	2.56	4.44	2.52	5.46	2.22	4.52	3.52	3.54	5.87	3.33	2.58	46.98
1914,	4.96	3.54	3.26	5.56	5.09	3.67	3.69	4.28	1.21	2.62	1.43	4.33	43.64
1915,	4.90	3.03	1.57	1.55	4.53	5.85	5.36	3.13	2.69	4.13	2.94	4.46	44.14
Means,	3.94	2.94	4.09	4.10	4.23	4.78	4.58	4.04	3.86	3.43	2.75	3.62	46.36

Note: *Probably correct.

Irwin, Westmoreland Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1896,	.....	.....	.....	.....	.....	.....	.....	.....	4.12	2.82	2.84	1.76	.....
1897,	1.44	4.10	4.21	4.05	2.79	2.87	5.39	2.33	1.45	0.32	4.95	4.23	38.13
1898,	3.96	1.47	4.96	1.49	4.63	4.37	4.41	5.47	1.41	3.93	2.65	3.14	41.89
1899,	3.31	3.34	4.22	2.81	3.13	4.72	4.63	1.69	2.41	0.71	3.78	3.66	38.41
1900,	2.40	3.20	3.63	1.45	1.78	3.52	3.81	1.61	0.58	2.58	4.94	1.46	30.96
1901,	1.27	0.60	3.93	7.77	4.84	4.34	3.36	3.25	1.78	0.77	2.22	3.60	37.73
1902,	2.08	1.50	3.54	4.23	1.83	6.80	5.62	2.16	3.59	3.87	1.29	4.38	40.89
1903,	2.35	.....	5.05	3.42	1.16	6.66	3.73	6.36	1.60	3.36	2.64	1.72	.....
1904,	2.74	2.24	4.93	4.64	4.76	4.36	6.81	3.67	1.08	2.82	0.19	2.81	41.05
1905,	2.90	1.47	4.36	3.44	3.58	6.05	5.53	5.34	3.15	4.14	2.67	4.53	47.66
1906,	2.39	1.16	3.87	2.01	2.39	7.81	4.54	7.25	2.83	3.10	0.81	4.31	42.47
1907,	6.49	1.65	5.81	2.56	3.31	5.17	4.83	6.19	5.70	2.36	2.12	3.43	49.62
1908,	2.40	3.54	7.58	4.33	3.94	2.89	4.07	1.50	1.15	0.76	0.66	2.63	35.45
1909,	2.12	4.02	3.19	5.71	2.66	4.90	1.68	3.48	2.33	3.14	0.70	1.79	35.72
1910,	5.99	2.95	0.21	3.07	3.04	2.34	1.83	1.62	4.79	1.68	1.79	2.10	31.41
1911,	3.67	1.98	1.73	4.41	2.05	4.04	2.76	5.97	6.49	4.42	2.77	4.01	44.30
1912,	1.61	1.64	5.00	3.92	2.18	4.76	9.08	4.09	5.55	2.83	1.38	2.35	44.39
1913,	5.87	2.23	3.57	2.42	3.84	2.63	4.78	2.61	2.68	.....	3.50	2.19	.....
1914,	1.89	2.10	2.01	3.88	2.41	3.90	1.58	5.92	2.67	2.47	0.99	4.38	34.20
1915,	4.06	2.40	1.27	1.15	4.80	3.63	5.09	3.41	1.67	3.16	2.29	3.86	36.82
Means,	3.10	2.31	3.85	3.51	3.11	4.51	4.40	3.92	2.85	2.59	2.26	3.12	39.53

Johnstown, Cambria Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1868,	.....	4.60	3.80	7.55	12.18	3.40	5.76	2.50	10.92	1.97	.....	2.90	.....
1869,	1.67	1.93	0.80	5.07	8.34	11.01	5.59	1.66	3.04	2.28	4.07	4.47	49.93
1870,	4.80	5.01	4.37	2.38	4.50	4.02	4.47	7.93	2.82	4.21	1.22	1.28	47.61
1871,	.....	.....	2.70	4.02	2.99	4.05	3.45	5.12	3.70	3.55	3.00	.....	.....
1885,	0.90	3.77	1.83	2.96	3.65	3.25	3.06	4.06	1.62	5.80	2.72	3.94	37.56
1886,	6.48	2.08	3.75	2.96	4.48	7.25	7.10	5.77	5.47	1.70	5.94	2.89	55.87
1887,	2.90	10.72	1.26	4.03	0.90	7.72	4.81	4.50	2.42	0.48	2.20	2.47	44.41
1888,	8.75	1.86	3.12	3.24	4.74	3.73	4.33	8.34	4.76	0.30	2.00	1.93	47.10
1889,	3.11	3.05	2.22	7.60	6.15	.....	.....	3.95	4.59	2.55	5.33	4.62	.....
1890,	4.95	5.05	5.74	4.66	6.90	2.72	1.87	6.38	5.85	5.21	2.38	4.89	56.60
1891,	3.47	7.99	4.99	2.75	3.44	9.22	6.81	3.87	1.83	2.80	2.51	3.84	53.50
1892,	4.14	2.97	3.92	3.55	6.67	5.18	3.70	2.29	1.60	0.88	4.74	2.51	42.15
1893,	2.93	7.76	1.45	5.44	6.26	2.02	2.81	2.22	2.26	3.22	2.09	3.59	42.05
1894,	3.00	3.38	1.95	3.09	7.03	2.12	1.87	1.20	5.44	2.44	2.55	4.24	38.31
1895,	4.91	0.98	2.49	4.38	2.83	4.59	3.02	3.39	3.75	1.24	2.75	3.22	37.55
1896,	0.66	2.77	3.80	2.57	1.80	6.03	8.45	4.00	6.03	3.15	3.70	2.04	45.00
1897,	2.92	4.05	5.36	3.98	3.71	3.67	5.97	2.23	3.55	0.72	6.14	3.74	46.04
1898,	7.57	2.78	6.49	2.04	7.28	4.10	3.89	8.37	2.04	5.89	3.15	3.35	56.95
1899,	4.16	3.49	5.37	2.27	6.20	3.62	3.20	5.34	3.45	0.97	4.26	4.25	46.58
1900,	3.38	4.63	4.04	1.41	2.92	6.08	4.88	4.41	1.50	2.61	5.84	2.57	44.27
1901,	3.52	1.92	4 79	6.06	6.45	6.14	2.00	3.94	3.87	0.73	2.90	5.16	47.48
1902,	3.47	2.48	5.09	4.86	2.18	6.73	5.19	2.49	2.31	4.58	1.69	6.11	47.18
1903,	4.53	5.80	3.72	4.08	2.36	7.69	4.97	7.21	1.83	3.89	3.02	2.42	51.52
1904,	4.10	3.75	5.57	4.45	2.98	3.49	7.45	3.93	2.29	2.84	0.96	3.01	44.82
1905,	4.21	2.23	5.06	3.63	4.08	6.78	8.88	5.73	3.90	4.82	3.65	4.42	57.39
1906,	3.57	1.30	5.29	2.87	2.00	6.19	4.16	8.19	1.71	2.50	1.56	5.21	45.15
1907,	7.29	2.46	7.25	3.59	2.64	5.21	5.39	4.66	5.44	2.65	3.88	4.11	54.57
1908,	4.26	6.56	10.00	5.00	5.75	4.17	3.55	3.24	0.51	0.12	0.96	4.61	48.73
1909,	3.04	5.31	4.06	6.70	1.97	4.22	3.10	3.50	2.96	3.56	1.06	3.70	43.18
1910,	7.81	3.13	1.27	4.28	3.52	3.76	1.23	2.31	4.79	1.53	1.96	3.31	38.90
1911,	4.70	2.92	4.41	4.85	4.22	4.91	1.43	7.02	6.35	4.75	3.12	4.13	52.84
1912,	2.85	3.41	7.40	5.00	5.00	6.69	8.82	5.28	6.12	3.12	1.68	3.33	58.70
1913,	8.19	2.21	3.97	2.44	4.89	2.66	3.80	1.91	4.04	8.53	3.86	2.79	49.29
1914,	3.04	3.99	4.04	5.55	3.29	6.94	2.79	2.67	0.70	2.36	1.37	5.10	41.84
1915,	6.98	3.53	1.61	0.93	6.25	3.93	5.53	4.07	1.93	3.65	2.32	5.34	46.07
Means,	4.31	3.82	4.09	4.01	4.60	5.10	4.51	4.39	3.58	2.90	2.96	3.69	47.96

Johnstown, Cambria Co.—(4 miles from Johnstown, in Middle Taylor Twp., Cambria County, at Hinckston Run Dam)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1902,	2.24	2.90	4.02	4.62	1.83	6.38	7.36	2.07	2.27	3.72	1.69	4.60	43.70
1903,	3.52	5.25	3.78	3.74	2.47	5.69	4.82	5.67	1.92	4.21	2.50	2.19	45.76
1904,	3.89	3.09	5.52	5.92	2.76	4.57	7.08	3.25	2.94	1.95	0.72	1.95	43.64
1905,	2.38	1.71	4.33	3.29	4.89	7.48	8.31	5.08	3.33	5.02	3.14	4.58	53.54
1906,	4.17	1.17	4.94	2.82	2.64	6.30	3.90	5.94	1.69	2.90	1.42	5.68	43.57
1907,	7.60	2.33	8.54	3.38	2.73	5.24	4.32	4.15	5.30	5.28	3.77	2.44	55.08
1908,	2.98	5.03	8.92	4.61	5.60	3.56	3.40	2.48	0.88	0.11	0.69	4.03	42.29
1909,	3.58	5.38	3.27	5.70	2.24	3.81	3.01	2.79	1.67	3.82	1.22	3.22	39.71
1910,	6.34	2.95	0.54	2.41	3.63	3.20	1.67	2.69	3.91	1.59	1.87	2.91	33.71
1911,	3.76	2.56	3.69	4.66	2.90	3.88	1.87	6.01	6.33	4.08	2.95	4.36	47.05
1912,	2.41	3.40	7.03	5.25	4.72	5.59	7.00	5.44	7.44	2.92	1.76	3.35	56.31
1913,	7.59	2.38	3.09	0.86	3.79	2.25	3.86	2.23	1.93	7.85	2.94	2.27	40.98
1914,	2.19	3.57	3.08	4.90	3.73	3.82	2.72	1.89	0.36	2.50	1.42	4.91	35.09
1915,	5.22	3.57	1.34	0.57	6.44	3.92	4.48	3.20	1.75	3.59	2.46	6.03	42.57
Means,	4.13	3.24	4.43	3.76	3.60	4.69	4.56	3.78	2.98	3.54	2.04	3.75	44.50

Note: This record furnished by the Cambria Steel Company, Johnstown, Pa.

Johnstown, Cambria Co.—(Mill Creek reservoir, about 3 miles from Johnstown)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1902,	3.88	2.74	4.58	4.36	1.75	7.28	7.60	3.17	2.45	5.03	2.21	6.48	51.53
1903,	5.27	5.96	4.25	4.72	2.54	6.62	4.43	7.35	2.46	3.93	3.30	2.35	53.18
1904,	3.90	4.34	6.00	5.40	3.06	3.52	6.78	4.82	3.00	2.06	1.15	3.51	47.54
1905,	4.24	2.17	5.43	3.93	4.58	7.40	8.94	4.95	3.48	5.31	4.04	4.87	59.84
1906,	3.63	1.40	5.21	2.98	2.14	8.19	3.36	5.52	0.98	3.02	1.79	4.98	43.20
1907,	7.88	2.29	7.80	3.12	2.80	6.61	5.70	5.36	5.86	2.84	4.36	3.82	58.35
1908,	3.29	5.37	9.91	5.26	7.71	3.13	5.94	2.78	0.54	0.09	0.78	4.50	49.30
1909,	3.28	5.72	3.79	6.71	1.51	5.21	3.44	4.22	2.95	3.52	1.28	4.40	46.03
1910,	5.36	4.42	1.27	3.77	3.57	4.45	1.91	3.50	5.72	1.66	2.95	3.38	41.96
1911,	4.63	2.72	3.98	5.29	2.91	5.59	1.88	7.37	6.67	4.48	3.51	2.96	51.99
1912,	2.31	.....	6.94	4.64	4.13	.....	.....	.....	.....	.....	.....	.....	.....
Means,	4.33	3.70	5.38	4.56	3.34	5.80	5.00	4.90	3.41	3.19	2.54	4.12	50.27

Note: This record furnished by the Cambria Steel Company, Johnstown, Pa

Kane, McKean Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1891,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.66	.....
1892,	.....	2.59	3.87	1.71	9.39	8.75	.....	.....	.....	.....	.....	0.61	.....
1893,	2.40	5.18	2.26	.....	.....	.....	3.98	5.91	2.86	2.32	2.37	.....	.....
1894,	4.71	2.30	2.24	3.39	8.74	2.34	.....	.....	.....	.....	.....	.....	.....
							2.13	1.45	6.97	.....	.....	.....	.....

Karthaus, Clearfield Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	1.00	2.99	2.35	0.80	1.50	3.43	4.94	1.65	2.89	1.73	.....	1.10	.....
1897,	1.25	1.60	1.43	1.70	2.65	0.82	5.18	0.84	0.72	0.66	2.51	2.75	21.51
1898,	2.00	1.18	6.14	1.62	1.92	0.77	0.22	.....	0.21	1.80	1.86	1.91	.....
1899,	2.35	2.19	3.68	1.47	3.04	.....	1.58	.....	.....	.....	.....	2.40	.....
1900,	1.94	3.52	.....	.....	.....	.....	.....	0.72	0.28	.....	2.30	.....	.....
1901,*	0.88	0.50	.....	.....	.....	.....	1.23	.....	.....	.....	1.06	3.30	.....

Note: *A doubtful record.

Keating, Clinton Co.—(Elevation 1,870 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	2.25	3.04	2.64	1.40	2.82	5.10	6.81	3.29	6.21	3.47	2.18	1.06	40.27
1897,	1.81	2.15	3.22	3.28	4.34	3.77	4.57	2.99	3.93	0.74	4.78	2.28	37.86
1898,	3.26	1.32	5.24	3.29	3.30	4.20	3.95	4.25	0.96	6.71	2.24	2.98	41.70
1899,	2.35	2.60	.....	1.25	3.69	2.85	3.27	1.49	4.53	0.50	3.72	3.19	.....
1900,	2.01	3.53	3.66	1.28	4.08	2.72	3.25	3.28	2.06	4.75	5.03	1.80	37.45
1901,	1.99	0.72	3.45	5.41	4.74	2.17	3.90	6.08	4.06	0.72	2.49	.....	.....
1902,	.....	.....	.....	.....	1.86	5.48	8.29	2.30	.....	.....	.....	.....	.....
1903,	.....	3.79	4.67	3.03	1.70	6.50	6.00	5.57	2.40	2.56	.....	1.29	.....
1904,	2.71	2.11	4.80	4.40	2.38	3.39	3.42	2.66	4.23	1.62	0.36	2.11	34.19
1905,	3.37	1.07	.....	.....	.....	.....	5.59	4.91	1.90	4.04	2.49	4.19	.....
1906,	2.32	.....	.....	.....	.....	.....	.....	4.41	2.79	.....	.....	.....	.....
Means,	2.45	2.26	3.95	2.92	3.21	4.02	4.90	3.75	3.31	2.79	2.91	2.36	38.83

Kennett Square, Chester Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1854,	3.00	8.66	1.43	6.97	4.30	3.39	3.50	1.54	3.97	1.87	3.57	3.70	45.90
1855,	2.82	3.39	1.81	2.06	3.72	8.11	3.26	4.13	7.08	4.68	2.24	6.26	49.56
1856,	3.91	1.28	2.02	3.71	3.94	1.18	1.71	5.10	3.83	0.91	2.37	4.39	34.35
1857,	3.87	0.94	2.18	5.28	6.56	5.75	2.51	7.17	1.28	4.14	1.42	5.62	46.72
1858,	2.20	2.72	1.07	3.68	8.64	5.36	2.27	5.78	1.23	1.63	5.11	4.67	44.36
1859,	5.09	2.94	5.64	5.23	1.58	4.43	3.50	3.93	8.62	2.64	4.09	3.27	50.66
1860,	.....	.....	1.39	4.43	5.96	2.75	1.17	8.96	4.30	6.33	7.14	4.47	.....
1861,	4.65	2.41	3.00	3.93	5.91	3.00	2.93	3.19	2.88	3.19	4.80	1.87	41.76
1862,	4.32	4.32	4.01	3.87	1.21	7.65	3.28	1.89	3.39	3.16	4.40	1.23	42.73
1863,	4.00	4.86	6.35	5.75	4.51	1.70	8.95	1.58	1.78	3.61	2.80	5.25	51.14
1864,	2.06	0.45	5.00	5.26	7.30	3.37	3.67	2.66	5.15	2.25	3.89	4.05	45.11
1865,	3.42	4.44	5.12	2.58	5.99	7.14	3.49	1.82	3.63	3.84	2.35	4.78	48.60
1866,	2.09	6.14	1.55	2.39	4.32	3.94	1.44	3.19	7.45	2.80	2.25	2.91	40.47
1867,	1.32	3.50	5.00	2.36	8.42	8.65	3.65	9.48	1.59	2.70	1.67	2.81	51.15
1868,	2.86	2.11	3.20	4.20	4.82	4.68	5.70	4.67	9.40	1.56	4.56	2.42	50.18
1869,	3.10	4.35	4.35	2.41	3.97	3.86	1.51	0.82	5.19	5.78	4.95	4.30	44.59
1870,	4.00	3.55	2.91	6.27	3.90	5.60	3.35	8.15	2.12	4.78	1.42	2.00	48.05
1871,	3.25	3.22	5.42	1.84	2.50	5.00	6.92	5.00	1.99	3.80	4.19	1.85	44.98
1872,	1.41	1.06	3.46	2.13	2.32	8.03	3.60	7.21	4.46	3.17	3.77	3.55	44.17
1873,	5.18	4.06	2.36	5.21	5.18	0.75	4.50	8.56	5.73	6.40	3.80	1.21	52.94
1889,	.....	.....	.....	.....	3.18	.....	.....	.....	10.01	5.04	8.92	0.49	.....
1890,	2.37	4.74	4.76	2.73	6.89	2.59	5.17	7.40	5.02	5.49	0.83	3.37	51.36
1891,	6.08	5.84	8.04	2.32	1.93	2.98	10.21	8.74	5.00	3.16	2.29	4.09	60.68
1892,	5.82	1.24	5.90	3.31	7.35	2.97	5.08	3.13	3.17	0.43	5.24	2.59	46.13
1893,	2.69	6.29	3.01	4.55	3.61	3.46	2.52	3.74	4.24	2.37	4.34	3.29	44.11
1894,	1.78	5.08	1.45	3.80	11.54	2.45	4.04	2.78	7.71	5.48	2.88	4.34	53.33
1895,	5.30	1.68	3.48	5.74	3.30	4.40	2.90	2.93	1.55	3.21	1.80	3.12	39.41
1896,	1.52	6.45	5.63	2.05	2.02	5.10	4.44	0.91	6.23	2.51	4.33	0.56	41.75
1897,	2.78	5.46	3.03	3.19	7.96	2.78	10.16	2.77	1.63	2.19	5.47	4.59	52.01
1898,	4.31	3.43	3.21	3.72	4.60	3.07	3.86	6.94	3.95	5.23	6.54	4.24	53.10
1899,	4.82	8.04	6.65	2.23	2.74	2.94	2.98	4.47	4.55	2.03	2.12	2.35	45.92
1900,	4.27	6.79	3.89	2.53	4.37	4.77	4.04	4.59	5.16	2.16	1.71	2.42	46.70
1901,	3.13	1.04	4.65	5.69	3.62	1.63	4.91	9.23	4.25	1.28	3.15	8.66	51.21
1902,	3.77	6.18	4.28	4.91	1.42	5.91	2.11	2.12	6.89	8.12	2.35	6.67	54.73
1903,	4.07	5.21	3.89	3.99	3.21	8.13	4.84	5.08	2.83	6.14	1.17	4.38	52.94
1904,	3.66	2.21	4.17	2.65	3.68	3.37	3.28	6.92	5.32	3.98	3.17	2.04	44.45
1905,	3.55	2.58	4.15	3.94	3.51	3.27	4.38	*7.52	*4.07	*4.67	*2.08	*3.28	*47.00
1906,	*3.67	*3.09	*5.61	4.55	4.57	6.40	8.98	7.66	1.07	4.04	2.40	4.09	*56.13
1907,	3.78	1.75	1.42	2.39	6.17	7.41	2.71	4.05	7.16	*2.88	5.85	7.15	*53.72
1908,	3.29	4.05	2.47	2.16	3.19	3.44	3.51	4.24	2.23	1.98	0.52	3.16	34.24
1909,	3.43	4.74	3.88	2.67	3.82	3.40	0.91	*1.38	3.03	1.09	1.71	6.59	*36.65
1910,	3.55	1.57	0.46	4.88	3.18	6.40	4.44	7.97	1.54	3.52	3.18	1.36	42.05
1911,	3.30	0.95	3.26	3.43	1.92	5.16	5.82	15.14	2.76	4.37	5.34	1.64	53.09

Kennett Square, Chester Co.—Continued

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	2.24	4.05	8.98	2.60	3.72	2.96	3.33	4.75	5.42	3.53	3.63	5.90	51.11
1913,	4.16	1.16	4.89	9.15	4.73	1.55	2.18	3.40	2.33	4.45	2.20	*3.01	*43.21
1914,	2.85	3.31	2.27	3.68	1.48	2.24	7.69	1.94	0.63	1.90	2.45	7.39	37.83
1915,	6.92	6.18	1.32	.....	4.50	4.72	3.63	8.51	1.22	2.07	1.48	4.28	.....
Means,	3.55	3.72	3.74	3.83	4.41	4.30	4.10	5.07	4.13	3.48	3.36	3.74	47.43

*Interpolated.

Ketner, Elk Co.—(Elevation 1,780 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.18	.....
1914,	2.94	1.73	2.19	4.63	7.14	2.51	1.56	4.29	2.22	2.59	2.10	3.80	37.70
1915,	4.74	3.01	1.26	0.98	4.01	5.64	6.83	4.27	3.01	2.24	2.37	3.81	42.17

Note: This station maintained and operated in co-operation with the Buffalo, Rochester & Pittsburgh Railway Company, by Water Supply Commission of Pennsylvania.

Kilmer, Juniata Co.—(Elevation 475 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	1.27	3.57	4.06	8.28	6.63	6.95	3.47	5.52	3.43	6.68	2.34	.....
1890,	2.02	4.49	3.88	3.59	5.60	2.84	2.78	7.24	4.55	6.09	1.22	3.06	47.36
1891,	4.90	4.31	4.72	2.52	2.40	4.85	7.40	7.28	2.48	3.70	2.86	4.63	52.05
1892,	4.81	1.96	4.35	1.75	6.63	5.94	2.37	4.73	3.45	0.24	4.26	1.39	41.88
1893,	2.02	4.62	1.67	5.34	6.32	2.52	2.72	5.19	2.90	4.41	3.42	1.67	42.80
1894,	1.60	4.57	1.03	4.86	10.00	3.65	1.96	2.00	5.47	6.30	2.34	3.96	47.74
Means,	3.07	3.54	3.20	3.69	6.54	4.40	4.03	4.98	4.06	4.03	3.46	2.84	47.84

Kinsman, Ohio—(Elevation 925 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	3.04	2.35	3.19	5.11	4.25	3.38	6.14	5.53	1.18	3.17	1.84	4.00	43.18
1915,	3.09	2.95	0.98	1.28	2.91	3.78	4.79	4.55	3.74	2.68	2.47	3.51	36.73

Note: This station maintained and operated by Water Supply Commission of Pennsylvania.

Laflin, Luzerne Co.—(Mill Creek Intake)—(Elevation 906 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1908,	1.23	3.51	3.37	2.33	5.12	2.85	2.36	3.22	2.05	1.19	0.00	1.50	28.73
1911,	3.03	1.56	2.05	3.02	2.07	5.36	3.94	7.31	2.13	3.80	2.34	1.78	38.39
1915,	4.79	3.34	0.77	1.99	3.39	2.71	4.13	7.29	2.41	1.13	1.42	4.03	37.40

Note: This record furnished by The Spring Brook Water Supply Company, Wilkes-Barre, Pa.

Lancaster, Lancaster Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	4.79	2.52	4.50	2.02	3.39	2.56	4.12	.....	6.02	3.14	2.97	3.50	.....
1889,	2.83	2.16	3.89	6.54	4.46	.....	.....	.....	6.38	3.88	9.02	.....	.....
1890,	2.03	3.14	4.84	2.93	7.04	2.20	.....	.....	1.24	7.34	1.04	1.08	.....
1891,	3.09	3.01	6.30	1.69	2.48	.....	.....	.....	0.28	3.05	1.09	.....	.....
1892,	4.39	1.12	6.61	1.86	4.25	5.61	1.85	.....	3.74	0.30	3.69	.....	.....
1893,	2.38	4.08	2.24	5.07	6.26	4.25	.....	3.77	2.78	3.30	3.76	1.70	.....
1894,	1.57	3.50	1.49	4.30	6.47	2.54	2.21	1.36	7.32	5.36	1.91	3.33	41.36
1895,	4.17	1.74	3.02	5.07	3.01	2.18	3.28	.....	1.61	2.60	1.36	1.02	.....
1896,	.....	3.60	4.95	1.24	2.26	.....	.....	.....	.....	.....	.....	.....	.....
1900,	2.36	5.66	2.71	1.20	5.18	2.41	6.05	2.98	2.11	1.66	2.04	1.87	36.23
1901,	2.43	0.58	4.67	4.36	4.39	1.08	4.94	6.91	3.86	0.80	2.30	5.11	41.43
1902,	3.30	4.06	3.84	3.45	0.74	7.09	5.02	2.22	6.98	6.73	2.93	7.46	53.82
1903,	4.74	4.87	4.55	3.48	0.87	5.92	4.14	7.82	2.64	4.40	1.29	1.96	46.68
1904,	3.04	1.61	1.79	2.46	1.94	2.86	3.56	3.05	3.25	3.95	1.68	3.22	32.41
1905,	4.28	1.14	4.09	3.10	2.67	2.60	5.26	1.86	2.13	4.43	2.60	3.21	37.37
1906,	2.84	1.92	4.12	3.73	2.19	7.98	4.04	4.53	1.41	5.65	0.94	5.12	44.47
1907,	3.35	1.69	4.11	2.10	2.30	5.96	3.06	3.96	5.66	2.73	5.19	4.83	44.94
1908,	2.69	4.61	3.76	2.09	4.45	2.78	9.17	3.15	2.25	2.48	0.72	2.25	40.40
1909,	2.38	4.36	2.99	3.87	2.91	4.43	1.18	1.13	3.16	1.94	1.51	3.97	33.83
1910,	4.25	4.38	0.50	5.44	2.58	5.31	2.14	6.36	1.55	2.43	1.63	1.71	38.28
1911,	3.14	2.40	2.40	3.55	2.24	3.33	2.78	8.15	5.14	3.44	3.22	3.38	43.17
1912,	1.57	1.58	5.66	3.24	4.19	3.20	3.25	3.62	4.79	1.87	2.04	5.34	40.35
1913,	2.86	1.39	5.96	4.76	3.72	2.35	1.88	3.35	8.43	4.67	1.89	3.19	44.45
1914,	3.74	2.46	1.44	2.90	1.88	4.10	6.57	3.26	0.78	1.24	1.72	5.35	35.44
1915,	4.56	4.13	1.00	3.19	3.70	6.60	3.80	9.62	2.78	2.63	1.78	3.56	47.35
Means,	3.20	2.87	3.77	3.35	3.42	3.97	3.92	4.28	3.60	3.17	2.37	3.44	41.36

Lansdale, Montgomery Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1884,	.....	.....	.....	.....	3.11	4.39	4.89	2.53	0.47	3.09	3.70	5.27	.....
1885,	3.62	4.31	0.85	2.55	2.63	1.35	1.11	5.81	1.05	5.92	5.25	2.75	37.20
1886,	3.73	5.86	3.54	2.97	5.83	6.53	6.50	1.67	1.19	3.09	3.57	2.74	47.22
1889,	2.95	1.63	2.98	4.90	4.35	5.45	15.02	4.66	3.32	5.02	8.11	1.71	65.10
1890,	2.29	4.28	5.33	2.12	5.18	2.19	4.30	4.57	2.67	6.52	1.17	2.37	42.99
1891,	6.03	4.43	4.67	2.12	2.66	2.90	6.36	6.62	2.57	3.09	1.73	3.41	46.59
1892,	5.11	0.75	4.89	2.26	5.75	3.68	6.45	3.58	2.23	0.55	7.15	1.57	43.97
1893,	2.63	5.71	1.50	4.59	3.59	3.21	1.91	5.32	3.52	3.71	4.67	3.05	43.41
1894,	1.59	4.09	1.74	2.61	14.27	2.47	3.19	3.10	8.84	5.55	3.17	3.92	54.54
1895,	5.09	1.34	3.24	4.88	2.28	5.25	4.34	2.95	0.71	3.27	2.68	1.60	37.63
1896,	1.11	6.81	4.65	1.42	2.73	5.57	5.40	0.73	3.97	3.55	3.88	0.75	40.57
1897,	1.85	2.94	1.40	3.36	8.62	4.22	7.17	3.20	1.12	2.48	5.62	4.69	46.67
1898,	3.86	3.03	2.94	3.89	5.82	0.74	2.86	10.01	1.81	4.84	5.38	3.62	48.80
1899,	3.44	5.68	5.93	1.28	1.15	0.95	3.18	7.75	6.96	1.29	1.25	*2.02	*41.08
1900,*	*3.34	*4.95	*3.11	*2.01	*4.81	*3.04	*5.09	*4.05	*3.17	*2.34	*2.47	*2.48	*40.86
1901,	2.24	0.38	4.20	5.34	5.06	1.87	6.68	5.74	2.45	1.42	2.59	6.66	44.63
1902,	3.19	6.92	3.74	3.53	1.52	3.59	2.68	3.15	4.08	5.39	1.63	6.45	45.87
1903,	2.37	4.80	3.08	3.01	0.62	5.57	4.02	3.86	1.63	7.53	1.42	4.04	41.95
1904,	3.33	2.07	3.55	2.73	3.17	3.14	1.92	4.96	4.54	4.76	2.35	1.93	38.45
1905,	4.67	2.01	3.08	3.89	0.96	2.19	2.81	9.15	3.81	3.62	2.40	2.65	41.24
1906,	2.69	2.32	3.72	3.57	2.65	6.22	6.06	3.91	2.69	6.24	1.32	4.29	45.68
1907,	3.32	2.90	2.09	2.92	2.93	5.37	1.87	4.94	9.03	3.02	4.71	4.07	47.17
1908,	3.61	5.14	3.12	2.30	5.97	1.72	5.61	5.86	2.33	3.44	0.70	2.13	41.93
1909,	2.94	4.70	3.38	5.08	3.40	3.39	2.39	2.03	2.68	0.85	2.48	4.26	37.58
1910,	5.61	3.23	0.52	6.61	2.19	4.24	0.59	5.99	1.82	2.71	3.50	2.28	39.29
1911,	3.14	2.36	2.80	3.87	2.39	4.27	2.65	11.23	2.95	4.77	4.14	3.46	48.03
1912,	3.18	2.18	8.94	3.93	2.73	0.89	3.29	6.54	3.54	5.09	3.89	4.17	48.37
1913,	3.55	2.48	5.25	7.11	4.14	1.74	3.14	4.59	5.55	8.21	2.07	1.11	48.94
Means,	3.25	3.60	3.49	3.51	3.95	3.43	4.34	4.95	3.42	3.98	3.32	3.20	44.54

Note: *Interpolated.

Lansford, Carbon Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1906,	.....	.....	.....	.....	2.64	9.13	2.43	3.61	3.30	7.05	0.87	4.27	.....
1907,	2.33	2.55	2.99	1.56	2.24	4.44	2.18	2.67	7.45	3.17	3.75	6.86	42.19
1908,	4.05	5.82	4.20	*0.70	6.80	*1.94	4.88	4.02	3.69	3.31	0.30	2.20	*41.91
1909,	3.21	5.18	2.90	5.83	2.70	2.27	2.13	0.33	3.62	3.47	0.79	4.63	37.06
1910,	6.61	3.72	0.31	6.92	5.58	4.17	1.77	4.22	3.63	1.79	2.57	3.88	45.17
1911,	3.02	2.46	3.15	3.86	2.68	5.27	5.69	9.01	3.49	5.17	3.89	2.78	50.47
1912,	1.93	2.55	6.02	4.80	2.58	2.23	4.31	5.06	6.55	3.48	2.39	4.31	46.21
1913,	3.34	0.94	7.81	7.29	2.61	1.50	3.74	3.22	5.55	4.81	2.13	3.14	46.08
1914,	3.11	2.49	2.94	3.91	2.62	2.92	4.58	4.04	1.06	1.93	2.37	5.27	37.24
1915,	6.48	5.18	0.99	1.81	3.58	3.90	6.04	14.44	2.29	1.84	2.22	3.73	52.50
Means,	3.79	3.43	3.48	4.00	3.40	3.58	3.77	5.06	4.06	4.60	2.13	4.11	45.41

Notes: *Total incomplete, gage leaking. This record furnished U. S. Weather Bureau by the Lehigh Coal & Navigation Co., Lansford.

Lawrenceville, Tioga Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1897,	0.90	1.16	2.56	2.90	4.35	2.55	4.27	3.27	2.44	1.45	3.47	2.02	31.34
1898,	2.10	1.26	2.59	2.99	3.62	3.23	4.38	4.79	1.98	4.88	2.04	.....	.....
1899,	1.85	2.22	2.28	2.10	2.81	3.78	3.15	6.06	3.03	.....	3.46	2.60	.....
1900,	3.48	5.10	.....	1.11	2.47	2.02	3.50	2.05	0.95	4.85	6.36	1.60	.....
1901,	1.60	0.90	3.45	5.64	3.90	1.61	2.99	5.08	2.05	1.54	2.78	6.22	37.76
1902,	1.75	1.95	2.30	2.70	2.16	5.54	7.37	2.14	4.30	2.22	1.19	3.21	36.83
1903,	2.62	2.33	4.67	2.67	1.65	8.60	5.60	5.31	1.99	5.10	2.85	1.92	45.31
1904,	3.08	3.06	2.60	2.90	4.32	3.04	3.78	2.68	2.30	2.24	0.40	1.60	32.00
1905,	1.95	0.70	.....	.....	.....	5.12	.....	3.05	.....	2.18	2.35	3.97	.....
1906,	0.76	0.68	4.33	1.43	5.08	5.00	3.00	3.18	2.94	3.67	1.25	2.25	33.57
1907,	3.36	0.90	1.45	2.94	2.56	4.59	3.53	0.92	5.01	3.15	2.85	3.83	35.09
1908,	2.40	2.51	3.07	3.59	4.02	2.80	4.96	3.11	0.95	2.48	1.00	1.30	32.19
1909,	2.41	2.40	1.89	4.90	3.28	5.50	2.30	2.74	2.88	2.05	1.18	1.75	33.28
1910,	3.75	3.58	0.15	6.39	3.83	3.65	2.30	2.30	4.45	1.17	0.99	0.95	33.51
1911,	1.25	2.20	1.15	.....	2.70	2.87	3.40	.....	3.50	2.70	.....	0.75	.....
1912,	0.65	1.75	2.27	2.45	.....	1.95	6.18	5.65	6.73	2.31	2.64	1.80	.....
1913,	2.35	0.30	2.95	2.97	3.00	2.00	2.65	2.45	3.60	.....	2.40	1.20	.....
1914,	2.30	2.20	2.30	4.65	6.52	2.65	3.12	5.41	0.97	1.87	1.95	2.43	36.37
1915,	4.48	1.85	0.90	1.25	2.86	3.00	12.30	5.59	2.08	2.92	1.28	2.55	41.06
Means,	2.27	1.95	2.41	3.15	3.48	3.66	4.38	3.65	2.90	2.75	2.25	2.33	35.18

Lebanon, Lebanon Co.—(Elevation 480 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1828,	.....	.....	.....	.....	.....	.....	3.17	5.15	3.47	1.52	4.65	0.22	.....
1829,	5.09	2.60	2.24	3.40	4.34	3.79	6.78	3.87	2.62	3.62	3.31	2.56	44.22
1830,	2.80	0.65	5.57	2.63	5.49	5.13	1.42	2.23	3.03	3.74	5.99	4.65	43.33
1831,	4.64	2.75	2.07	3.60	1.17	4.86	6.26	3.40	5.84	3.38	2.18	1.32	41.47
1832,	4.42	4.96	1.80	1.54	4.76	1.85	1.36	4.18	2.63	3.22	2.30	4.24	37.26
1833,	2.74	0.56	1.66	0.57	4.58	9.00	5.97	1.07	4.14	6.97	2.34	5.18	44.78
1834,	3.37	2.04	1.86	2.90	3.98	5.78	3.98	0.98	2.39	2.89	2.18	2.85	35.20
1835,	2.26	1.50	3.80	5.45	2.03	4.17	3.78	3.79	3.98	1.85	3.71	1.30	37.62
1836,	4.40	3.05	1.45	2.80	3.32	6.32	2.00	3.47	1.18	4.10	3.37	4.36	39.82
1837,	1.90	1.78	4.94	2.25	2.32	4.33	4.41	3.52	3.88	2.16	1.31	2.17	34.97
1838,	3.89	1.41	3.18	2.38	5.64	3.89	0.40	2.71	3.20	3.62	4.20	1.13	35.65
1839,	4.22	2.70	0.59	3.76	4.40	3.71	5.67	2.98	3.99	1.14	2.27	2.30	37.73
1840,	1.59	2.39	2.68	4.12	2.77	2.58	1.89	1.54	1.40	1.75	2.87	3.28	28.86
1841,	4.39	0.90	3.87	4.62	4.90	3.64	2.45	2.07	2.97	1.47	2.94	4.65	38.87
1842,	1.23	2.53	2.00	5.13	3.98	3.95	6.47	3.58	2.00	2.77	3.38	2.82	39.84
1843,	3.04	2.61	6.18	2.15	2.68	2.02	2.76	4.39	7.30	4.55	3.60	2.84	44.12
1844,	4.15	2.15	3.55	1.43	4.60	2.55	2.15	1.71	2.56	3.40	1.80	2.14	32.19
1845,	2.27	2.16	2.57	0.76	2.49	5.22	0.83	2.38	2.11	7.27	3.07	2.15	33.28
1846,	2.38	3.51	3.78	2.40	9.38	4.67	3.19	3.20	3.23	3.58	5.10	3.20	47.62
1847,	3.70	3.35	3.43	1.00	3.36	1.86	6.04	2.04	7.46	4.46	5.22	6.68	48.60
1848,	2.61	1.62	2.88	0.69	2.26	2.81	6.00	2.17	1.76	1.69	3.83	5.10	33.42
1849,	1.61	1.88	4.98	1.37	4.36	3.96	0.39	1.51	0.71	6.81	2.38	5.00	34.96
1850,	5.61	4.70	3.97	2.09	5.92	6.45	10.14	5.46	8.75	4.61	1.93	4.49	64.12
1851,	1.09	4.42	3.25	5.67	4.36	3.30	1.85	2.50	1.36	1.50	4.05	2.15	35.50
1852,	2.45	2.45	4.45	4.79	2.61	3.75	3.21	5.47	1.47	1.55	6.65	5.05	43.90
1853,	1.55	4.65	1.62	4.25	5.53	0.49	5.91	7.82	4.28	3.70	1.79	1.52	43.11
1854,	3.08	5.05	2.11	4.43	3.76	4.62	2.92	0.80	0.92	2.04	5.47	2.38	37.58
1855,	3.82	3.45	2.03	2.18	2.98	8.50	10.29	3.17	5.34	5.49	0.93	5.45	53.63
1856,	2.53	1.30	1.32	4.30	2.93	2.85	2.16	4.46	1.97	1.46	2.56	3.71	31.55
1857,	3.07	1.40	1.72	5.19	9.80	10.05	4.94	4.91	2.52	1.58	2.65	2.78	50.61
1858,	2.23	1.00	1.09	3.48	9.35	4.52	1.81	4.78	2.00	3.12	4.73	5.17	43.28
1859,	3.80	3.48	5.92	5.25	3.37	4.85	4.90	2.43	10.20	3.19	2.42	3.89	53.70
1860,	3.06	3.55	1.33	4.45	10.65	5.18	0.93	7.63	2.44	1.51	4.95	2.92	48.60
1861,	3.57	1.97	2.86	4.09	4.18	1.60	6.28	5.49	4.23	5.47	4.03	1.25	45.02
1862,	5.31	1.86	3.45	3.86	2.17	9.22	3.23	1.62	1.10	3.34	2.62	0.86	38.64
1863,	4.86	3.16	5.25	4.45	3.68	4.54	11.43	0.89	4.93	4.33	3.79	5.42	56.73
1864,	2.08	0.61	3.46	4.06	5.75	2.43	1.87	3.27	6.05	1.77	3.24	3.84	38.43
1865,	3.92	1.84	6.65	2.81	5.61	4.95	4.61	1.70	5.38	3.20	2.35	3.50	46.52
1866,	1.74	4.39	1.21	2.37	2.98	4.87	3.74	4.28	5.51	2.83	3.34	2.20	39.46
1867,	2.60	4.41	4.16	2.48	7.96	3.93	2.86	12.91	2.41	1.57	0.70	3.08	48.47
1868,	2.82	1.81	1.76	4.30	5.15	4.12	3.06	1.48	4.81	2.13	3.49	2.37	37.30
1869,	3.17	2.80	3.62	2.83	3.70	4.55	3.92	1.46	2.57	7.39	2.26	5.13	43.30
1870,	3.52	3.75	3.04	4.28	4.24	4.70	3.61	4.17	3.27	2.59	1.71	2.10	40.98
1871,	2.43	2.68	5.50	2.54	2.93	4.18	7.03	5.48	2.27	2.02	3.10	1.33	41.49

1872,	0.99	1.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1883,	4.35	4.22	3.70	2.89	2.98	8.54	2.96	2.68	4.46	5.93	1.42	3.28	47.41
1884,	3.95	4.59	4.88	2.92	3.96	4.02	6.15	4.56	0.94	3.85	3.13	5.82	48.77
1885,	5.25	3.30	1.32	3.02	4.48	1.46	3.03	5.48	0.81	8.20	4.64	3.10	44.09
1886,	5.11	3.65	5.03	2.90	6.06	2.66	5.45	0.77	0.85	2.54	4.16	3.46	42.64
1888,	1.64	3.89	4.08	3.12	5.08	2.57	2.50	7.73	4.92	3.22	3.26	3.77	45.78
1889,	4.26	1.85	3.45	5.47	†5.47	†8.66	4.34	3.07	3.45	4.47	9.99	2.20	56.68
1890,	2.59	3.78	6.46	3.39	6.79	2.80	3.36	5.12	5.15	5.52	1.23	3.98	50.17
1891,	*5.30	3.33	5.30	2.19	3.00	3.40	8.70	5.06	1.07	3.14	2.44	4.34	*47.27
1892,	6.27	0.95	4.91	2.22	5.14	4.75	4.75	3.80	3.63	0.29	4.55	1.96	43.22
1893,	2.10	5.67	2.63	3.67	8.05	2.21	2.67	5.30	3.79	3.95	3.42	2.35	45.81
1894,	2.17	4.23	1.48	4.77	9.45	1.91	4.42	4.17	5.47	6.14	2.57	4.17	50.95
1895,	4.70	0.87	2.49	5.10	1.85	1.88	2.10	1.97	1.32	2.31	1.95	4.14	30.68
1896,	1.11	6.31	5.29	1.29	4.54	4.51	6.38	0.56	2.92	4.70	4.76	0.68	43.05
1897,	2.26	3.75	3.46	3.51	6.52	3.00	5.89	2.51	1.57	2.36	5.76	4.05	44.64
1898,	4.27	1.59	3.20	3.18	7.90	1.30	3.58	10.43	0.99	5.38	5.54	3.41	50.77
1899,	3.67	5.16	5.21	1.51	4.53	5.54	1.91	3.18	6.20	0.95	2.59	1.75	42.20
1900,	2.81	5.50	2.94	2.08	2.13	3.64	5.43	4.26	1.84	1.35	2.85	2.39	37.22
1901,	2.46	0.84	4.36	4.02	6.05	3.24	3.61	8.66	3.65	1.40	1.39	6.35	46.03
1902,	3.62	5.67	4.79	3.38	0.43	6.18	4.21	5.49	4.43	5.93	1.45	7.46	53.04
1903,	4.68	5.95	4.65	3.67	0.94	6.08	3.94	7.28	2.55	4.48	1.28	3.15	48.65
1904,	3.58	2.22	3.50	2.48	5.60	5.52	5.89	5.56	3.81	3.06	1.63	2.71	45.56
1905,	4.85	1.91	4.60	2.46	2.67	3.53	4.92	8.21	2.73	5.42	2.69	3.23	47.22
1906,	3.33	3.07	5.41	4.58	2.43	5.75	4.06	6.76	1.48	5.75	0.83	4.99	48.44
1907,	3.70	2.50	3.98	2.20	2.34	3.33	3.54	3.26	6.20	3.07	4.01	5.76	43.89
1908,	2.77	6.43	3.90	3.16	7.91	2.22	6.36	1.29	1.76	3.14	0.74	2.76	42.44
1909,	2.85	5.41	3.32	3.86	2.96	3.27	0.87	0.33	1.50	2.48	1.05	3.75	31.65
1910,	4.72	4.39	0.75	6.35	2.44	5.77	2.20	2.94	6.14	1.94	2.81	2.44	42.89
1911,	3.00	2.09	3.17	3.28	1.63	4.43	3.83	7.12	3.53	3.79	3.23	*3.37	*42.47
1912,	2.15	2.10	5.53	4.03	*2.48	*2.61	*5.65	2.12	4.74	2.19	*2.36	4.03	*39.99
1913,	2.70	1.70	6.07	4.45	2.46	0.66	0.82	*3.47	*4.59	*6.24	*2.15	*3.23	*38.54
1914,	3.35	1.67	1.89	*4.05	2.16	4.93	8.93	5.80	1.12	*1.46	*1.53	*4.52	*41.41
1915,	*6.29	*5.20	1.48	2.10	3.24	4.52	4.68	11.98	2.85	2.41	2.59	4.03	*51.37
Means,	3.62	3.56	3.85	3.35	4.18	3.90	4.29	4.72	3.14	3.66	2.94	3.64	44.85

Note: 1828 to 1872, winter sums do not include all snowfall.
†Myerstown record for May and June, 1889.
*Interpolated.
Means are only for period 1883 to 1915 inclusive.

Le Roy, Bradford Co.—(Elevation 1,400 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	1.59	1.38	1.63	3.19	4.41	6.94	8.33	2.08	3.13	4.73	5.80	2.45	45.66
1890,	2.01	2.96	4.58	3.26	7.00	4.37	2.51	5.71	5.45	5.32	0.89	5.78	49.84
1891,	4.63	3.13	3.15	2.01	1.18	4.75	3.05	4.33	2.00	4.25	3.24	4.34	40.06
1892,	4.60	1.09	4.25	0.96	5.14	7.97	2.39	4.04	2.04	0.91	3.22	0.93	37.54
1893,	2.59	3.86	3.10	4.19	7.76	1.96	2.18	5.92	2.70	3.91	2.07	2.71	42.95
1894,	2.43	3.04	1.00	6.12	8.35	1.64	2.98	1.23	5.44	5.29	2.47	3.39	43.38
1895,	3.27	0.80	1.55	2.62	3.24	3.69	3.42	3.81	3.11	0.65	3.06	4.05	33.27
1896,	2.00	4.66	4.58	1.44	2.46	2.66	5.84	2.22	3.87	5.04	2.92	0.79	38.48
1897,	2.13	2.28	2.55	2.70	4.84	3.77	3.95	4.40	3.08	1.30	3.31	2.89	37.70
1898,	3.30	2.05	3.39	4.61	3.65	2.75	3.06	6.95	0.81	5.37	2.62	1.58	40.14
1899,	2.19	3.05	3.02	2.15	2.07	4.90	1.93	6.84	2.85	1.34	3.64	4.47	38.45
1900,	1.94	3.07	5.45	1.34	1.50	3.40	4.06	2.14	0.54	3.88	4.71	2.12	34.15
1901,	0.99	0.75	4.21	4.68	5.34	3.44	3.22	5.40	3.70	1.16	2.83	8.26	43.98
1902,	2.59	3.02	4.76	3.16	1.47	5.40	9.46	4.31	4.67	3.29	0.90	3.46	46.49
1903,	2.95	3.00	4.37	2.97	2.00	5.13	4.17	4.40	1.57	5.08	2.76	2.60	41.00
1904,	2.83	1.13	3.94	3.15	5.45	3.50	2.21	4.80	3.53	2.58	0.65	1.65	35.42
1905,	4.05	0.79	3.10	2.38	1.89	4.19	4.12	5.40	3.04	3.62	1.60	3.36	37.54
1906,	1.24	0.86	4.26	2.69	4.97	4.19	4.87	4.51	1.61	4.63	1.47	2.61	37.91
1907,	2.97	1.26	1.51	2.67	1.85	4.13	2.52	0.77	7.07	3.40	2.79	3.91	34.85
1908,	2.79	4.46	2.92	2.65	4.08	2.48	3.78	2.32	0.88	3.04	0.83	2.31	32.54
1909,	2.35	3.55	2.48	5.70	2.61	4.26	1.02	2.71	2.17	2.01	1.24	2.70	32.80
1910,	4.50	3.15	0.89	7.49	3.27	3.94	1.33	2.81	4.47	0.87	2.45	2.63	37.80
1911,	2.11	1.95	2.55	2.43	2.06	2.13	3.98	3.77	4.00	3.39	1.55	2.08	32.00
1912,	1.20	2.50	3.21	4.93	2.74	1.00	3.98	6.27	6.73	1.98	3.14	1.84	39.52
1913,	3.35	1.56	4.96	3.97	3.88	1.16	3.84	1.84	3.31	3.36	2.97	2.93	37.13
1914,	2.64	2.92	2.82	5.38	4.74	3.74	3.44	5.18	0.36	1.68	1.49	4.02	38.41
1915,	6.27	2.64	1.20	1.13	2.70	4.83	7.34	5.55	2.45	1.66	1.46	2.97	40.20
Means,	2.80	2.40	3.16	3.33	3.73	3.79	3.81	4.06	3.13	3.10	2.47	3.07	38.85

Lewisburg, Union Co.—(Elevation 457 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1856,	.....	0.70	1.49	3.02	3.03	2.39	3.21	2.47	2.04	0.74	2.43	2.67	.....
1857,	1.35	1.11	1.20	2.38	6.70	7.28	4.19	3.02	2.01	1.82	2.23	4.73	38.92
1858,	2.23	1.64	0.45	3.38	6.57	4.04	4.55	4.44	2.08	2.29	3.72	4.47	39.86
1859,	2.00	2.73	5.67	5.73	2.20	4.34	2.32	4.46	4.97	1.03	2.12	3.94	41.51
1860,	1.43	2.53	2.15	.....	.....	2.86	2.82	.....	2.31	4.55	.....	.....	.....
1865,	4.73	3.38	6.46	2.36	5.48	5.22	3.79	2.12	5.46	1.34	2.47	3.12	45.93
1866,	1.91	2.73	1.47	3.25	3.47	3.64	2.63	4.31	5.18	4.50	4.60	2.80	40.49
1867,	1.61	4.10	2.45	4.26	8.52	4.91	2.73	8.74	3.13	2.78	1.40	2.77	47.40
1868,	2.56	1.57	2.37	3.85	4.10	2.71	2.05	3.65	5.71	0.83	5.40	2.14	36.94
1869,	2.10	1.62	3.51	2.56	4.07	4.53	4.11	2.19	2.92	5.20	2.57	3.25	38.63
1870,	4.20	4.39	1.96	4.74	3.19	5.17	3.99	2.67	2.57	3.38	1.60	1.53	39.39
1871,	2.25	1.50	4.01	1.43	1.58	4.28	6.43	4.33	1.57	2.94	2.40	1.43	34.15
1872,	1.54	1.75	.....	.....	2.94	5.31	5.97	9.50	2.87	4.73	2.29	.....	.....
1873,	.....	.....	3.82	4.46	2.94	1.96	4.96	10.87	2.48	6.02	1.98	.....	.....
1889,	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.04	7.13	2.67	.....
1890,	1.92	3.89	3.21	3.54	6.40	2.80	3.79	5.78	3.70	5.74	1.21	2.99	44.97
1891,	3.33	3.75	6.40	2.39	0.67	5.21	5.09	9.42	2.90	3.75	*2.40	*4.40	*49.71
1892,	.....	.....	5.56	2.34	4.96	5.21	3.40	4.55	4.18	0.22	3.94	0.70	.....
1893,	2.40	4.57	3.07	4.62	6.42	4.36	2.35	.....	1.74	3.20	1.61	.....	.....
1894,	2.84	2.46	1.13	5.33	9.40	2.39	1.36	2.17	5.09	6.02	1.86	4.06	44.11
1895,	3.10	1.35	1.38	2.41	3.66	4.13	2.54	4.22	4.11	1.29	2.96	4.09	35.24
1896,	1.98	4.46	3.74	1.11	2.16	4.70	5.62	1.39	3.66	5.58	5.35	1.29	41.04
1897,	3.26	2.54	4.74	3.21	4.30	2.31	4.72	2.52	2.01	2.08	4.76	3.94	40.39
1898,	3.62	2.27	4.23	2.83	6.04	2.79	4.21	9.68	0.93	5.76	2.33	2.44	47.13
1899,	2.55	4.57	4.36	1.89	4.32	3.83	1.53	5.49	4.36	1.36	2.88	3.98	41.12
1900,	2.33	3.92	5.60	1.07	3.16	3.21	3.26	4.08	0.65	3.05	4.24	2.38	36.95
1901,	1.67	0.74	4.49	4.39	7.95	2.09	5.02	10.60	3.85	1.16	1.75	6.90	50.61
1902,	3.53	4.41	5.84	2.76	0.62	8.28	6.86	2.12	6.40	4.86	1.80	4.96	52.44
1903,	3.95	4.85	3.32	4.34	2.46	8.02	5.73	5.21	2.21	3.47	1.69	2.00	47.19
1904,	4.52	1.62	3.75	3.78	5.40	1.94	3.61	3.76	3.41	2.69	0.72	1.79	36.99
1905,	4.50	1.80	5.00	1.64	2.11	4.93	5.99	5.40	3.39	4.03	2.03	3.97	44.79
1906,	2.61	1.96	5.64	4.53	2.09	8.85	3.63	5.97	2.97	4.58	0.83	2.89	46.55
1907,	3.40	1.30	3.88	1.82	2.69	3.61	2.62	2.94	11.86	2.86	2.45	5.72	45.15
1908,	1.69	6.01	5.11	3.64	5.67	1.63	9.29	2.68	1.43	3.65	0.39	2.56	43.75
1909,	2.47	4.86	2.53	6.44	2.37	3.10	1.00	1.63	2.12	2.16	0.76	4.19	33.63
1910,	5.94	3.71	0.72	6.47	3.92	5.74	1.21	1.80	5.92	1.01	1.79	3.73	41.96
1911,	3.45	2.39	2.05	3.06	2.13	3.28	2.69	6.97	3.97	5.57	2.08	4.00	41.64
1912,	1.58	2.57	4.77	4.74	4.27	1.40	6.22	4.89	6.47	2.21	3.17	2.84	45.13
1913,	4.00	1.52	4.29	4.25	3.02	2.97	5.90	*1.72	2.68	4.67	2.23	3.32	*40.57
1914,	3.35	3.25	2.54	5.73	3.02	4.21	4.33	5.85	1.20	2.26	1.55	5.08	42.37
1915,	7.31	4.26	1.75	2.48	3.67	3.48	4.88	5.40	2.74	2.09	1.67	3.43	43.16
Means,	2.95	2.91	3.49	3.48	4.04	4.08	4.01	4.71	3.48	3.18	2.52	3.33	42.18

*Interpolated.

Ligonier, Westmoreland Co.—(Elevation 1,750 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1890,	.....	.....	.....	3.38	6.79	1.94	2.47	9.37	8.54	5.50	2.13	3.69	.....
1891,	3.39	8.29	4.50	2.23	4.41	8.27	5.95	2.81	2.17	0.88	2.93	4.41	50.24
1892,	3.11	2.59	2.97	.....	2.06	7.51	3.43	2.24	2.14	0.51	.....	2.12	.....
1893,	2.60	.....	1.73	5.52	6.13	3.67	6.21	2.19	2.84	2.98	.....	.....	.....
1894,	1.84	2.78	2.29	4.71	5.33	.....	.....	.....	.....	.....	.....	.....	.....

Linesville, Crawford Co.—(Elevation 1,110 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	.....	.....	3.18	5.56	3.90	2.47	3.64	4.99	3.11	5.74	1.66	4.07	.....
1913,	6.87	.....	8.91	2.29	2.54	6.55	4.44	0.50	1.72	4.87	2.72	1.98	.....
1914,	3.52	2.32	3.39	4.87	4.54	2.95	3.14	3.92	1.25	3.47	2.18	4.35	39.90
1915,	3.03	2.94	1.07	1.00	3.72	2.76	6.47	5.24	2.76	2.62	2.37	4.57	38.55

Note: This station maintained and operated by Water Supply Commission of Pennsylvania.

Lloyd, Tioga Co.—(Elevation 2,180 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	Juue.	July.	Aug.	Sept.	Oet.	Nov.	Dec.	Total.
1911,	.....	1.58	1.34	1.14	1.52	3.25	1.55	2.60	2.69	2.84	2.70	1.35	.....
1912,	1.00	2.80	3.10	4.02	3.97	0.86	5.08	5.71	4.33	2.13	2.49	2.51	38.00
1913,	6.23	0.94	5.08	4.22	4.32	3.00	4.42	2.41	2.40	5.76	2.41	1.91	43.10
1914,	3.01	2.23	1.83	1.90	5.51	2.84	2.65	3.90	0.67	2.63	1.10	3.35	31.62
1915,	5.98	2.91	1.00	1.67	3.13	5.38	4.11	3.98	2.42	4.00	1.95	3.76	40.29
Means,	4.06	2.09	2.47	2.59	3.69	3.07	3.56	3.72	2.50	3.47	2.13	2.58	35.93

Lock Haven, Clinton Co.—(Elevation 560 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	0.85	4.44	4.05	1.02	1.49	3.67	5.16	3.59	5.46	4.44	2.64	1.02	37.83
1897,	1.67	2.67	3.17	2.90	4.65	2.72	5.14	3.94	3.93	0.77	4.93	2.59	39.08
1898,	4.11	1.51	5.02	2.24	4.10	3.45	3.76	4.90	0.36	5.19	2.24	2.14	39.02
1899,	2.16	3.72	3.27	1.06	3.30	3.80	2.16	5.05	3.57	0.43	3.26	3.56	35.34
1900,	2.40	4.04	3.42	1.20	0.94	1.53	3.03	4.45	0.65	4.92	4.95	1.70	33.23
1901,	2.32	0.80	4.11	5.67	7.42	3.53	3.21	6.54	4.38	1.37	2.90	5.72	47.97
1902,	2.57	2.10	4.32	3.74	0.93	5.59	10.90	2.57	7.28	4.43	1.21	4.40	50.04
1903,	3.78	3.40	4.06	2.72	1.56	6.43	4.63	6.38	2.46	2.88	2.58	1.52	42.40
1904,	3.66	2.23	4.99	4.52	3.66	2.73	2.92	4.09	1.95	1.92	0.48	2.83	36.08
Means.	2.61	2.78	4.05	2.79	3.12	3.72	4.55	4.61	3.34	2.93	2.80	2.83	40.13

Lock Haven, Clinton Co.—(Elevation 560 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	.....	.....	2.33	2.51	3.87	2.00	4.75	7.32	4.52	5.22	4.59	3.31	.....
1889,	3.48	1.74	2.63	3.97	.....	.....	.....	.....	4.73	.....	6.96	4.19	.....
1890,	3.14	4.04	5.48	4.22	7.30	3.61	2.85	3.83	3.87	5.36	1.35	4.43	49.48
1891,	4.21	4.21	4.06	1.48	1.85	5.14	6.95	4.40	3.41	2.81	2.82	4.44	45.78
1892,	4.86	1.37	4.73	1.21	4.91	9.66	3.92	3.72	1.34	0.38	3.34	1.35	40.79
1893,	2.71	5.28	2.26	4.72	4.89	2.51	3.34	2.82	3.70	2.67	1.09	2.14	38.13
1894,	1.77	3.67	0.84	5.81	.....	3.52	2.96	5.51	6.46	5.73	1.99	3.73	.....
1895,	4.73	1.00	1.69	0.79	2.35	4.84	2.83	3.27	3.18	1.35	2.48	3.46	31.97
1896,	1.20	5.26	5.48	1.21	1.70	4.33	5.75	3.93	5.80	4.92	3.05	1.42	44.05
1897,	1.66	3.52	3.27	3.42	5.00	3.05	5.65	2.32	4.21	0.89	5.89	2.98	41.86
1898,	3.99	2.23	5.79	3.17	4.43	3.87	3.51	5.11	0.38	5.28	2.39	3.98	44.13
1899,	2.79	3.19	3.79	1.10	3.67	4.47	2.40	5.36	3.68	1.12	2.93	3.61	38.11
1900,	2.49	3.33	3.89	1.41	1.29	1.60	2.77	4.37	0.61	4.25	4.94	1.78	32.73
1901,	2.46	1.16	3.94	4.70	7.11	3.48	2.33	7.50	3.20	1.25	2.77	5.70	45.60
1902,	2.76	3.59	4.93	5.01	0.70	6.12	8.34	1.86	4.52	3.93	1.06	4.27	47.09
1903,	3.73	2.99	3.97	2.81	1.69	7.44	5.34	6.37	3.20	3.76	1.67	2.37	45.34
1904,	3.66	2.33	4.99	4.52	3.66	2.73	2.92	4.09	1.95	1.92	0.48	2.83	36.08
1905,	3.42	1.30	3.34	2.32	3.01	7.02	4.13	5.74	3.44	3.88	2.17	3.38	43.15
1906,	1.83	1.41	4.39	3.13	2.88	3.07	5.30	4.14	2.32	4.17	1.62	3.25	37.51
1907,	3.97	1.53	3.76	1.98	2.10	4.35	3.88	1.76	8.55	2.42	2.37	3.95	40.62
1908,	2.70	4.49	4.52	4.00	7.74	2.16	4.39	2.26	1.18	1.92	1.07	3.13	39.56
1909,	2.19	4.39	2.68	6.04	4.33	5.22	1.27	1.85	2.41	2.39	0.66	2.86	36.29
1910,	6.14	2.82	0.71	5.61	3.37	3.67	1.88	1.93	5.38	1.11	1.74	1.76	36.12
1911,	3.03	2.42	1.87	3.39	1.52	5.25	2.05	7.59	5.83	4.49	1.79	3.40	42.63
1912,	1.17	3.38	4.24	4.70	2.92	1.73	2.16	5.11	5.54	2.85	2.55	2.44	38.79
1913,	4.51	1.37	4.87	3.93	3.54	3.83	7.41	1.05	3.21	5.39	2.21	2.90	44.22
1914,	5.77	2.98	2.82	4.85	4.02	3.68	3.20	3.20	0.88	3.07	0.99	3.99	39.45
1915,	5.54	3.61	1.37	0.85	4.59	5.12	6.34	.....	2.14	1.91	1.61	3.82	.....
Means,	3.33	2.91	3.52	3.32	3.63	4.20	4.02	4.09	3.56	3.13	2.45	3.24	41.40

Lock No. 4, Washington Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1886,	3.91	0.93	2.32	3.25	4.77	5.56	3.74	3.07	3.94	0.98	4.36	2.92	39.75
1887,	1.83	5.39	0.97	3.11	3.16	6.69	6.89	2.25	2.56	3.13	1.82	1.39	39.19
1888,	6.13	1.54	3.91	1.59	3.27	2.32	6.09	9.02	3.37	5.01	3.22	1.82	47.29
1889,	2.61	1.67	2.56	4.27	5.84	5.67	3.23	2.18	5.01	3.27	5.96	2.77	45.10
1890,	5.57	5.04	5.62	3.25	7.80	2.89	4.65	7.39	6.12	6.82	1.77	5.83	62.75
1891,	3.21	7.23	4.04	1.77	4.29	4.56	7.00	2.93	2.02	2.12	2.70	3.53	45.40
1892,	3.90	2.44	2.24	2.61	4.72	5.14	3.90	1.07	1.83	0.58	3.16	2.16	33.75
1893,	2.81	5.43	1.06	4.62	5.19	2.90	2.92	2.42	1.10	3.84	1.35	3.32	36.96
1894,	2.34	2.74	1.95	2.95	4.21	2.38	2.52	1.63	4.19	1.36	2.33	3.56	32.16
1895,	3.64	0.58	1.82	2.49	1.71	1.94	2.87	2.36	0.55	0.67	3.11	3.14	24.88
1896,	2.00	2.67	4.03	2.73	3.30	4.00	12.35	2.37	4.57	3.19	2.66	1.46	45.33
1897,	1.53	4.62	2.29	3.33	2.63	2.72	3.72	1.64	1.37	0.08	5.95	3.34	33.22
1898,	5.02	1.71	5.64	2.05	3.72	3.02	2.37	7.70	2.99	3.78	2.41	1.98	42.39
1899,	3.13	3.26	4.91	1.42	4.38	2.39	6.05	1.48	4.62	0.69	3.54	2.78	38.65
1900,	2.25	2.87	3.20	1.74	1.52	2.56	4.92	1.83	0.48	2.77	5.01	1.86	31.01
1901,	1.44	0.47	3.43	8.52	5.68	3.96	4.90	2.48	2.70	0.77	1.75	5.22	41.32
1902,	2.19	1.39	3.04	3.75	2.05	3.35	7.01	2.52	1.85	4.58	1.14	3.96	36.83
1903,	2.77	4.49	4.72	3.01	2.80	6.83	4.59	2.00	2.83	2.91	2.06	1.67	40.68
1904,	2.64	2.71	5.68	3.57	3.40	3.79	4.49	2.42	0.82	1.39	0.14	2.35	33.40
1905,	2.28	1.60	4.57	2.88	2.46	7.60	6.31	3.05	2.76	3.76	2.50	3.67	42.44
1906,	2.39	0.96	3.44	2.66	4.07	5.00	3.74	5.30	1.64	3.81	0.68	3.61	37.30
1907,	5.50	1.27	8.20	2.53	3.30	3.81	4.39	3.02	4.85	2.01	1.86	2.82	43.56
1908,	1.75	3.87	6.88	3.24	5.10	2.02	2.41	3.33	1.06	0.95	0.74	2.43	33.78
1909,	2.59	5.32	3.52	5.40	3.09	5.38	3.05	5.53	1.46	2.59	0.61	1.67	40.21
1910,	5.99	3.25	0.37	2.83	2.92	3.57	1.86	3.31	3.63	1.35	1.76	2.73	33.57
1911,	3.67	1.78	1.82	4.30	1.93	4.70	2.16	7.05	6.31	4.12	2.61	3.23	43.68
1912,	1.78	1.51	4.80	4.66	2.25	2.99	8.50	4.45	5.52	1.65	1.38	2.23	41.72
1913,	5.83	1.84	3.22	3.08	4.66	2.09	3.91	1.17	1.79	4.04	2.98	2.38	36.99
1914,	1.31	3.13	1.45	4.07	2.40	3.12	2.11	3.85	1.25	2.42	1.16	5.71	31.98
1915,	4.12	2.75	0.94	1.40	5.28	2.55	4.53	1.92	2.10	3.21	2.11	3.69	34.60
Means,	3.20	2.82	3.42	3.24	3.73	3.85	4.54	3.36	2.84	2.59	2.43	2.97	38.99

Lycippus, Westmoreland Co.—(Elevation 1,420 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1892,	3.55	2.56	2.06	2.78	5.52	6.13	3.69	1.71	2.12	0.66	3.30	.....	.....
1893,	2.12	5.34	1.43	5.87	5.60	3.75	6.36	1.68	1.57	2.92	1.72	3.51	41.87
1894,	2.56	2.31	2.31	3.99	6.71	1.66	3.24	1.09	7.68	2.28	2.45	5.15	41.43
1895,	4.66	0.79	2.53	4.46	1.34	3.07	3.82	3.94	1.03	0.76	2.75	2.70	31.85
1896,	1.59	3.07	4.17	2.33	2.06	3.98	12.94	4.48	4.59	3.18	3.10	1.31	46.80
1897,	2.43	4.70	4.15	3.93	4.08	2.42	2.82	4.52	2.34	0.60	5.41	5.43	42.83
1898,	5.33	1.80	6.22	2.25	3.82	2.99	3.83	9.13	2.03	5.04	2.89	3.31	48.64
1899,	3.65	3.91	4.62	2.03	5.01	3.91	3.79	3.65	3.63	2.31	1.74	3.22	41.47
1900,	2.49	4.34	2.25	1.51	2.30	5.06	6.11	3.51	1.37	2.70	5.35	2.37	39.36
1901,	2.83	1.15	3.55	8.23	7.17	4.49	3.91	3.19	3.06	0.48	3.02	4.79	45.87
1902,	3.83	2.74	3.91	4.30	1.28	6.09	4.79	2.26	2.03	4.12	1.62	5.17	42.04
1903,	3.48	4.30	3.42	2.43	1.56	4.55	5.00	3.75	1.53	2.34	2.73	2.48	37.57
1904,	3.38	3.22	5.00	2.74	4.26	3.89	5.95	3.76	1.31	1.45	0.32	2.69	37.97
1905,	4.58	2.26	4.28	3.89	5.17	7.22	6.24	4.72	2.34	4.92	2.36	3.53	51.51
1906,	2.57	1.37	4.00	1.90	2.78	7.82	3.93	8.99	2.14	2.62	1.64	4.65	44.41
1907,	6.85	1.69	7.03	2.96	3.27	4.42	5.17	4.25	5.02	2.89	2.77	3.37	49.69
1908,	3.20	3.08	7.10	4.77	7.02	2.46	4.38	1.53	0.62	0.33	0.85	3.21	38.60
1909,	2.90	4.25	3.35	5.95	2.64	4.60	3.50	3.50	1.77	3.28	1.05	3.05	39.84
1910,	8.62	3.61	0.53	3.89	3.18	5.01	4.22	2.49	4.83	2.04	2.61	3.97	45.00
1911,	5.54	2.34	2.76	4.77	1.46	4.81	3.15	5.80	9.73	4.19	2.89	4.72	52.16
1912,	2.55	2.48	7.60	4.22	2.91	6.48	8.50	5.41	6.87	3.40	0.98	2.92	54.32
1913,	7.89	3.03	4.63	3.16	4.89	1.52	5.94	4.21	3.46	5.96	4.42	3.92	53.03
1914,	3.04	4.64	4.28	7.15	2.90	4.29	2.59	5.01	1.06	2.22	1.57	5.64	44.39
1915,	6.41	3.54	1.73	2.12	6.44	3.33	3.65	2.65	1.81	4.28	3.02	5.70	44.68
Means,	4.00	3.02	3.87	3.81	3.89	4.33	4.90	3.97	3.08	2.71	2.52	3.77	43.87

Lykens, Dauphin Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.44	2.16	5.13	.....
1915,	7.22	4.09	1.54	2.82	3.08	3.81	6.45	10.91	2.45	2.06	2.59	4.45	51.47

McCall Ferry, Lancaster Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	.....	.....	.....	.....	.....	.....	b4.08	2.11	0.61	1.25	1.81	3.82	.....
1915,	7.59	5.76	0.85	2.01	4.56	4.61	1.82	9.86	2.06	1.84	1.74	3.33	46.03

McConnellsburg, Fulton Co.—(Elevation 875 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	4.32	2.76	3.76	2.54	4.70	3.10	2.68	8.61	4.03	3.62	3.14	2.70	45.96
1889,	3.53	1.65	4.76	5.28	12.41	5.17	8.23	.....	.....	3.14	6.51	2.44	.....
1890,	2.09	4.00	5.41	3.38	7.90	4.87	3.12	6.60	2.62	6.92	1.59	3.30	51.80
1891,	4.53	4.60	7.45	2.58	1.71	6.23	6.32	4.82	2.65	3.39	3.03	5.62	52.93
1892,	4.25	1.47	3.49	2.19	5.97	3.21	4.70	1.07	2.81	0.60	3.76	1.55	34.47
1893,	1.71	4.18	1.77	4.61	6.20	1.87	2.90	.....	.....	.....	.....	.....	.....
Means,	3.40	3.11	4.44	3.43	6.48	4.08	4.66	.....	.....	3.41	3.60	3.12	.....

Mahoning, Armstrong Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.86	.....
1889,	3.26	1.25	1.45	4.53	2.95	4.09	3.00	1.18	1.88	1.90	2.61	3.56	31.72
1890,	4.03	3.08	3.72	2.83	5.63	1.76	0.59	3.58	4.52	5.54	1.59	1.60	38.47
1891,	2.82	7.20	3.10	2.86	1.81	5.23	3.81	2.89	1.01	1.61	4.01	3.65	40.00
1892,	1.69	3.33	3.72	1.92	6.67	3.87	2.87	1.89	3.53	0.75	2.95	1.40	34.59
1893,	2.88	9.28	2.30	5.71	4.33	4.52	4.89	4.48	2.77	3.40	2.36	4.46	51.38
1894,	3.03	3.06	2.55	3.94	4.81	3.02	1.60	0.30	7.91	2.19	2.03	4.53	38.97
1895,	4.65	0.59	1.51	3.40	2.28	3.46	3.44	3.24	0.69	0.56	.....	.....	.....
Means,	3.19	3.97	2.62	3.60	4.09	3.71	2.89	2.51	3.19	2.28	2.60	3.01	37.66

Marion, Franklin Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1903,	.....	.....	.....	.....	.....	5.02	5.54	6.02	1.52	3.17	1.57	1.81	.....
1904,	3.04	1.82	2.34	2.54	2.78	5.62	3.54	1.75	1.88	2.39	0.45	2.90	31.05
1905,	4.37	1.95	3.14	1.83	2.21	4.56	6.11	4.73	2.63	3.38	2.09	4.02	41.02
1906,	2.62	1.66	4.93	2.70	2.06	6.09	2.24	5.95	0.66	4.75	1.07	4.65	39.38
1907,	3.89	2.30	2.95	3.17	4.33	4.78	8.24	2.08	4.82	1.36	3.89	5.14	46.95
1908,	2.82	5.68	4.27	3.63	7.27	1.60	4.68	4.01	2.57	1.43	0.85	2.08	40.89
1909,	2.93	4.43	2.47	3.18	2.42	5.56	1.23	2.45	1.12	2.98	0.46	3.65	32.88
1910,	4.05	3.62	0.20	5.47	3.23	6.75	1.14	1.41	3.08	1.26	1.11	2.65	33.97
1911,	3.41	2.07	2.02	2.32	1.08	5.03	3.01	8.91	3.51	2.78	2.96	3.63	40.73
1912,	2.13	2.14	6.03	4.94	3.85	4.41	3.63	3.14	6.44	1.20	2.01	3.39	43.31
1913,	3.65	2.18	5.44	2.27	4.72	1.35	3.67	2.95	4.15	6.71	2.92	3.25	43.26
1914,	3.56	2.81	2.14	4.19	3.21	1.98	4.13	2.95	0.77	1.54	2.08	5.61	34.97
1915,	6.39	4.26	1.47	2.21	4.35	3.78	5.98	7.04	2.70	3.05	1.38	3.65	46.26
Means,	3.57	2.91	3.12	3.20	3.46	4.35	4.09	4.11	2.76	2.77	1.76	3.57	39.67

Mauch Chunk (or East Mauch Chunk), Carbon Co.—(Elevation 550 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.95	8.18	3.58	.....
1890,	2.86	5.36	6.07	3.45	8.11	5.25	5.79	8.59	4.64	4.03	1.00	3.18	58.33
1891,	6.90	3.92	5.69	0.89	1.24	4.36	7.68	5.89	1.37	2.89	.....	.....	.....
1892,	.....	1.14	5.17	1.44	5.12	8.33	3.60	3.90	2.62	0.82	6.09	1.26	.....
1893,	3.59	7.37	4.24	3.92	6.68	1.54	3.26	4.45	3.85	2.94	3.26	2.84	47.94
1894,	2.17	4.11	1.67	3.58	13.66	2.87	2.12	1.86	5.63	7.06	3.33	4.05	52.11
1895,	5.06	2.02	2.53	6.32	2.98	1.74	5.41	2.12	1.27	2.80	3.00	5.72	40.97
1896,	1.89	7.16	6.95	1.32	3.24	5.52	6.20	2.85	6.31	4.13	6.74	1.21	53.52
1897,	2.96	3.74	3.31	3.29	7.64	2.08	8.33	2.94	2.14	2.36	6.59	5.16	50.54
1898,	4.98	1.87	3.48	4.50	5.67	1.36	3.58	7.35	1.44	6.31	4.76	3.75	49.05
1899,	3.07	5.16	5.75	2.35	2.66	4.14	4.06	4.69	6.05	1.49	2.28	2.95	44.65
1900,	3.37	6.48	5.32	1.48	2.20	1.82	7.87	2.90	1.20	2.43	2.75	3.27	41.09
1901,	2.06	0.89	6.20	4.68	6.34	1.98	2.61	10.88	6.10	2.00	2.00	10.26	56.00
1902,	4.54	7.16	4.89	5.45	0.59	8.93	6.64	3.64	7.90	5.85	1.56	7.90	65.05
1903,	4.21	5.93	5.50	4.40	0.55	7.99	7.01	5.29	1.90	6.26	1.26	4.03	54.33
1904,	4.78	1.31	5.64	2.89	3.38	4.99	7.06	4.51	3.10	4.49	2.02	2.51	46.68
1905,	5.39	1.48	4.43	2.68	1.30	2.30	2.56	5.95	6.31	5.25	2.68	3.81	44.08
1906,	2.81	3.10	6.38	5.18	2.90	5.85	3.14	5.02	2.79	6.19	1.78	4.48	49.62
1907,	3.69	2.20	3.24	2.09	2.49	5.22	2.61	2.51	9.03	3.91	5.99	7.01	49.99
1908,	3.14	8.15	4.02	3.89	7.03	2.39	5.33	4.60	2.80	3.32	0.97	3.18	48.82
1909,	4.01	6.90	3.46	5.76	2.60	3.19	2.46	0.94	4.41	2.61	1.77	4.76	42.87
1910,	6.10	3.97	0.82	7.35	4.55	3.63	2.16	4.00	4.37	1.52	3.24	3.08	44.79
1911,	3.45	2.41	3.16	4.10	1.85	6.81	6.08	9.36	4.20	5.20	4.08	3.64	54.34
1912,	2.03	2.93	5.69	5.23	4.16	2.27	4.22	6.13	4.90	4.56	4.19	5.52	51.83
1913,	4.02	2.10	7.90	7.54	2.85	1.84	4.19	4.51	4.38	6.04	3.20	3.92	52.49
1914,	3.70	2.50	2.93	4.80	2.84	5.06	7.14	3.40	0.50	2.05	2.39	6.31	43.62
1915,	6.60	5.93	1.35	1.96	3.68	2.75	7.50	11.31	2.09	1.96	2.85	5.16	53.05
Means,	3.90	4.05	4.45	3.87	4.09	4.01	4.94	4.98	3.89	3.83	3.38	4.33	49.72

Media, Delaware Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1916,	7.07	6.75	1.51	2.78	4.75	3.78	5.45	8.13	0.64	2.45	1.48	4.81	49.60

Mifflin, Juniata Co.—(Elevation 490 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1895,	.....	.....	.....	.....	1.87	3.67	2.03	1.62	3.88	1.20	1.91	4.00	.....
1896,	2.20	4.72	3.50	1.69	3.61	4.14	6.10	0.59	4.28	3.20	3.60	1.05	38.68
1897,	2.45	3.70	3.80	2.81	4.62	1.58	2.95	3.40	2.95	2.17	3.60	2.48	36.51
1898,	3.01	1.50	1.70	2.50	5.60	2.35	3.45	6.90	0.90	5.60	3.10	3.40	40.01
1899,	2.60	3.75	5.00	1.70	5.00	3.10	2.20	3.60	3.45	0.60	3.15	3.00	37.15
1900,	0.70	4.10	3.00	0.50	1.32	2.30	3.91	2.25	0.20	4.25	2.15	1.20	25.88
1901,	2.00	0.30	.....	2.30	7.20	2.95	4.25	3.85	2.80	1.15	2.50	3.40	.....
1902,	3.65	3.35	5.10	2.25	1.45	6.60	5.60	0.90	4.60	4.97	1.61	4.22	43.70
1903,	3.54	4.45	3.71	3.59	1.31	7.26	4.32	7.11	2.44	2.54	0.45	3.40	44.12
1904,	2.95	1.50	3.25	4.75	3.85	2.32	4.52	2.51	1.65	0.70	0.45	2.15	30.60
1905,	3.90	0.65	3.60	1.63	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	2.70	2.80	3.63	2.37	3.58	3.63	3.93	3.21	2.72	2.64	2.35	2.83	36.29

Mifflintown, Juniata Co.—(Elevation 445 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1903,	.....	.....	.....	.....	.....	5.74	3.39	6.24	2.36	3.65	1.24	1.45	.....
1904,	2.62	1.54	3.12	4.42	4.35	2.69	4.17	3.37	1.56	2.32	0.69	1.63	32.48
1905,	3.66	1.00	4.26	2.09	2.91	2.90	7.22	7.08	3.24	4.07	2.25	3.62	44.30
1906,	1.92	1.27	4.09	3.49	2.67	4.08	3.56	6.60	1.99	5.72	0.87	3.65	39.91
1907,	4.15	1.72	4.63	2.74	2.19	4.04	1.55	3.40	7.00	1.98	2.85	5.11	41.36
1908,	2.47	5.37	4.45	2.84	10.64	2.11	2.60	2.83	1.94	2.01	0.51	2.50	40.27
1909,	2.75	3.58	2.13	5.33	1.77	5.65	1.81	1.58	1.70	3.24	0.38	2.96	32.88
1910,	4.14	3.11	0.22	7.43	2.91	7.18	3.04	2.40	4.68	1.18	1.09	1.37	38.75
1911,	3.43	1.61	1.83	4.53	1.83	3.96	2.27	8.98	5.61	4.41	1.87	2.86	43.19
1912,	1.05	2.19	4.64	4.46	4.57	2.82	5.11	3.49	7.02	1.92	2.18	3.18	42.63
1913,	3.65	1.30	4.66	3.73	3.64	2.15	2.92	2.02	5.16	5.51	3.33	3.03	41.10
1914,	4.63	2.69	2.09	4.49	3.60	4.53	5.81	2.82	0.77	2.20	1.80	5.04	40.47
1915,	6.50	4.03	1.75	2.31	3.75	4.98	5.48	6.89	3.93	2.33	2.17	5.46	49.58
Means,	3.41	2.45	3.16	3.99	3.74	4.06	3.76	4.44	3.61	3.12	1.63	3.22	40.59

Milford, Pike Co.—(Elevation 455 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1903,	1.82	5.41	4.42	3.17	0.66	11.33	4.80	7.03	1.25	10.53	1.68	3.51	55.61
1904,	3.81	2.12	3.40	3.09	4.10	1.97	3.53	5.35	5.27	4.56	1.79	2.34	41.33
1905,	5.00	1.51	3.87	1.88	1.49	2.61	3.74	6.16	5.35	3.76	2.07	4.29	41.73
1906,	1.94	1.54	5.45	3.40	4.78	4.26	6.34	6.06	1.54	4.60	2.29	3.64	45.84
1907,	4.07	2.57	3.07	2.36	3.06	3.52	1.84	2.33	10.64	4.67	5.43	6.85	50.41
1908,	1.78	5.13	2.86	2.25	7.01	2.98	3.96	4.12	2.43	4.53	0.75	3.23	41.03
1909,	3.27	5.98	3.20	6.70	2.57	1.89	4.33	2.33	3.45	0.70	1.83	4.30	40.55
1910,	3.27	3.96	0.67	5.56	1.78	3.69	1.09	4.76	3.49	1.43	5.49	2.03	37.22
1911,	1.95	2.53	3.15	3.77	1.51	6.77	4.17	5.86	3.42	7.25	2.18	3.38	45.94
1912,	2.25	2.25	6.23	4.74	2.99	1.34	1.04	5.87	5.75	2.74	2.58	4.54	42.32
1913,	3.13	2.98	6.57	3.92	3.24	1.44	4.83	4.02	2.73	5.61	3.25	3.47	45.19
1914,	3.62	2.51	3.69	3.80	3.60	3.08	4.08	1.95	0.35	1.82	2.43	3.51	34.44
1915,	5.75	5.35	.....	1.94	3.26	2.86	6.49	5.74	5.10	1.80	0.22	3.30	.....
Means,	3.20	3.37	3.88	3.58	3.08	3.67	3.86	4.74	3.91	4.15	2.46	3.72	43.62

Milton, Northumberland Co.—(Elevation 480 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1879,	.....	.....	.....	.....	.....	2.81	4.90	4.15	1.84	0.85	2.41	3.32	.....
1880,	3.54	3.72	3.44	3.04	2.40	3.11	5.93	6.29	3.84	2.93	3.40	1.42	42.06
1881,	1.80	3.50	3.27	1.55	3.36	10.08	1.15	4.25	0.45	3.71	5.99	2.74	41.85
1882,	2.25	5.33	4.55	3.03	7.75	.....	.....	.....	.....	.....	.....	.....	.....

Mineral Point, Cambria Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1905,	0.61	1.21	4.30	2.61	4.05	7.76	8.31	4.81	3.22	4.38	3.14	3.99	48.39
1906,	3.33	1.05	4.33	2.10	2.30	4.83	3.30	7.03	0.89	2.48	2.01	4.82	38.47
1907,	6.66	1.87	7.83	2.32	3.39	5.48	3.70	2.50	4.30	1.55	3.35	3.53	46.48
1908,	3.40	3.92	.....	.....	.....	3.74	2.36	3.75	0.76	0.00	0.78	3.81	22.52
1909,	2.88	5.58	4.68	6.14	1.74	4.24	0.50	1.86	1.52	3.82	0.81	4.68	38.45
1910,	7.35	2.83	1.28	2.43	4.52	2.98	2.66	3.20	4.05	1.70	4.55	2.20	39.75
1911,	4.38	3.00	3.77	4.32	.....	3.42	2.12	6.57	.....	.....	.....	.....	.....
Means,	4.09	2.78	4.36	3.32	3.20	4.64	3.28	4.25	2.45	2.32	2.44	3.84	40.97

Note: This record furnished by the Cambria Steel Company, Johnstown, Pa.

Montrose, Susquehanna Co.

Year,	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	.....	.....	.....	.....	.....	1.46	2.38	7.89	4.34	.....	.....	.....	.....
1903,	.....	.....	.....	.....	.....	.....	.....	.....	2.27	6.20	3.04	2.64	.....
1904,	5.05	1.84	2.42	3.22	2.71	2.73	4.70	5.10	3.91	4.26	1.18	1.75	39.17
1905,	3.05	0.45	3.28	2.01	2.23	.....	3.62	4.96	3.60	3.19	1.63	2.39	.....
1906,	1.61	0.72	5.00	3.43	3.32	7.44	5.74	4.44	2.39	3.85	.....	3.53	.....
1907,	4.03	2.40	1.78	2.71	2.88	2.79	3.38	0.82	7.50	3.87	3.82	3.80	39.78
1908,	2.30	.....	2.93	2.68	5.14	1.82	4.24	1.51	0.98	2.53	1.35	2.34	.....
1909,	3.93	4.17	1.91	3.56	3.93	5.08	1.63	2.25	1.58	1.22	1.32	2.00	32.58
1910,	5.49	4.43	0.91	2.78	4.05	2.29	1.53	1.71	3.77	0.80	2.64	2.96	33.36
1911,	1.70	2.65	1.60	2.60	2.60	3.55	3.52	4.08	4.84	4.48	1.85	3.08	36.55
1912,	0.60	1.12	2.45	7.31	3.31	1.57	2.61	5.62	9.34	2.17	3.06	2.10	41.26
1913,	4.84	1.43	4.55	2.94	2.99	2.05	3.35	1.93	3.67	3.93	2.45	1.69	35.82
1914,	1.40	1.30	2.82	6.52	4.38	4.46	4.97	6.08	1.92	1.66	2.46	3.50	41.47
1915,	4.31	4.33	1.20	2.30	3.14	5.00	9.96	5.30	2.13	2.64	2.14	4.60	47.05
Means,	3.19	2.26	2.57	3.51	3.39	3.35	3.97	4.00	3.73	3.14	2.24	2.80	38.15

Moosic, Lackawanna Co.—(Spring Brook Intake, Lackawanna Co., 3 miles S. E. Moosic)—(Elevation 910 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1897,	1.01	1.64	2.61	4.64	6.42	1.70	5.54	2.65	1.73	1.30	2.51	2.65	34.40
1898,	1.81	1.20	2.97	2.60	4.46	2.50	1.57	5.60	2.98	3.70	3.39	2.51	35.29
1899,	2.27	3.90	3.02	1.79	1.63	3.03	3.49	4.33	3.48	1.10	2.48	3.23	33.75
1900,	2.41	3.86	1.97	1.36	3.14	5.45	3.51	1.35	0.85	2.46	2.68	2.32	31.36
1901,	0.85	0.49	3.52	3.48	7.16	2.35	3.31	7.52	2.86	1.31	2.30	6.94	42.09
1902,	2.01	3.54	2.61	1.61	0.82	3.79	4.34	2.74	6.15	4.97	0.59	4.72	37.89
1903,	1.93	3.31	4.16	2.90	1.21	8.39	4.47	7.16	1.45	5.89	1.77	2.55	45.19
1904,	2.10	1.02	2.37	2.38	1.14	2.59	4.98	4.71	2.03	3.78	1.29	1.53	29.92
1905,	4.33	1.04	3.40	1.67	1.51	2.38	3.12	4.16	3.92	3.52	1.48	2.55	33.08
1906,	1.44	2.51	5.60	4.54	2.72	6.41	4.67	1.94	2.54	4.16	1.92	2.11	40.57
1907,	3.51	0.93	1.39	1.23	1.53	4.07	1.95	2.64	7.19	3.32	4.22	4.24	36.22
1908,	1.84	3.79	3.57	2.56	5.27	3.13	2.88	2.66	2.68	2.96	0.96	2.27	34.56
1909,	2.11	3.58	3.01	6.36	4.13	5.37	2.32	1.50	1.73	0.83	1.77	2.94	35.65
1910,	4.40	3.33	0.78	4.83	2.90	2.85	2.67	3.47	3.13	1.12	4.66	1.63	34.44
1911,	2.53	2.11	2.22	2.91	1.55	6.66	3.78	7.10	3.50	4.06	2.27	2.31	41.00
1912,	1.02	1.72	4.61	4.37	1.55	1.50	0.45	4.10	8.65	2.00	3.35	3.36	36.68
1913,	3.22	1.48	5.48	4.44	2.70	3.65	4.21	1.87	4.12	4.27	3.07	2.34	40.85
1914,	2.01	1.64	2.63	4.05	3.68	3.69	6.77	3.53	1.09	1.44	1.28	3.12	34.93
1915,	4.12	3.46	0.74	2.22	3.56	3.11	3.95	6.70	0.96	1.10	1.48	3.00	34.40
Means,	2.36	2.34	2.98	3.15	3.00	3.82	3.58	3.99	3.21	2.80	2.29	2.96	36.48

Note: This record furnished by The Spring Brook Water Supply Company, Wilkes-Barre, Pa.

Moreland and Horsham, Montgomery Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1864,	.....	.....	.....	.....	.....	2.40	4.47	2.93	5.66	2.30	4.97	2.59	.....
1865,	3.05	5.50	4.99	2.11	6.15	5.13	6.00	2.98	4.65	4.25	3.65	3.30	51.76
1866,	1.30	5.10	1.15	2.73	4.15	5.00	1.90	5.25	8.32	4.55	2.42	2.62	44.49
1867,	1.10	1.95	3.94	1.38	6.67	12.67	3.16	14.80	1.71	5.75	2.30	1.20	56.62
1868,	2.20	1.80	3.01	3.94	7.81	7.57	3.58	4.82	8.40	1.67	6.35	2.10	53.25
1869,	2.63	3.25	4.57	2.12	4.90	5.90	2.42	1.30	4.80	6.49	4.50	5.45	48.33
1870,	3.81	3.35	3.53	6 98	8.43	4.25	6.21	4.13	2.92	6.41	1.30	1.50	52.82
1871,	3.30	3.50	6.64	1.95	4.85	8.33	6.65	6.63	1.80	4.25	3.78	0.70	52.38
1872,	1.03	0.40	2.25	2.30	2.52	4.25	7.40	11.89	3.00	4.55	3.70	0.67	43.96
1873,	3.50	3.70	2.70	4.60	3.10	2.85	4.70	9.23	3.15	7.75	4.97	.....	.....
Means,	2.44	3.17	3.64	3.12	5.39	5.82	4.62	6.44	4.37	4.80	3.78	2.24	49.83

Morrisville, Bucks Co.—(Elevation 34 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1825,	3.50	3.25	4.50	1.00	1.75	3.50	2.00	3.75	2.50	1.25	1.50	3.50	32.00
1826,	1.50	2.25	9.50	4.00	0.25	4.75	3.75	2.75	2.00	6.00	2.00	2.25	41.00
1827,	3.50	3.50	1.25	3.00	2.50	2.00	3.00	5.75	1.00	6.00	4.15	3.25	38.90
1828,	2.00	2.75	4.00	4.00	3.50	2.75	5.25	1.50	4.50	1.50	6.50	0.25	38.50
1829,	5.50	3.75	3.00	5.00	2.75	3.50	4.25	4.50	2.00	2.25	4.00	1.50	42.00
1830,	1.50	2.00	4.25	2.00	3.75	6.00	4.00	4.00	3.00	4.00	5.25	5.00	44.75
1831,	5.50	2.00	3.00	5.00	1.00	3.50	4.25	5.25	5.00	4.00	2.00	1.00	41.50
1832,	4.00	2.50	2.00	3.00	5.50	1.50	3.50	5.75	1.50	3.50	2.50	5.00	40.25
1833,	4.00	1.25	2.25	0.50	6.00	5.25	4.12	3.75	4.00	10.00	2.00	5.75	48.87
1834,	2.50	2.25	2.00	3.00	4.50	4.00	4.25	0.50	3.50	3.25	3.00	3.40	36.15
1835,	2.75	2.00	4.00	4.50	2.00	6.25	6.50	2.00	2.50	1.25	3.75	2.50	40.00
1836,	7.50	3.00	1.75	3.50	2.25	7.25	3.00	2.00	2.00	3.50	3.25	4.00	43.00
1837,	3.00	3.50	3.75	3.00	5.00	3.00	6.00	3.00	2.50	0.75	3.00	1.00	37.50
1838,	2.25	2.25	3.75	3.50	3.50	6.50	3.25	2.00	9.00	5.00	3.00	1.00	45.00
1839,	5.50	2.50	1.50	1.50	6.75	4.00	2.50	4.75	3.00	3.00	3.50	6.25	44.75
1840,	2.00	3.00	2.50	7.00	2.75	6.00	4.50	5.50	2.50	5.75	2.50	3.00	47.00
1841,	7.75	1.50	6.00	6.50	3.50	3.25	3.25	9.00	2.00	3.75	4.50	6.00	57.00

1842,	1.25	4.50	0.75	5.25	6.00	3.25	1.20	3.75	1.25	1.75	2.00	3.50	34.45
1843,	1.50	2.50	4.00	4.75	2.00	1.75	4.50	9.25	4.75	3.25	4.25	4.00	46.50
1844,	2.50	1.50	4.50	1.50	3.00	3.25	5.25	2.50	4.00	5.00	3.00	3.00	39.00
1845,	3.50	4.75	2.50	2.50	1.50	3.25	2.75	7.25	2.25	2.50	2.50	4.50	39.75
1846,	4.50	3.25	4.50	2.00	3.50	4.50	4.25	4.25	0.25	2.00	8.00	3.50	44.50
1850,	5.00	3.00	5.60	3.25	6.60	2.50	5.00	5.70	5.20	1.70	3.30	5.10	51.95
1851,	1.70	4.30	2.50	5.70	5.40	2.20	3.30	2.80	1.40	3.40	3.90	2.10	38.70
1852,	1.50	2.40	4.00	7.00	4.70	4.20	2.90	9.50	2.60	2.40	6.20	5.10	52.50
1854,	2.60	5.10	1.30	7.30	6.70	5.00	5.60	1.10	2.70	2.10	3.10	2.40	45.00
1855,	2.60	1.80	1.80	2.50	3.40	8.80	5.00	2.50	2.30	4.90	2.70	4.80	43.10
1856,	0.43	0.90	1.65	3.00	2.90	1.90	2.60	4.60	4.20	1.30	2.76	4.10	30.34
1857,	2.60	1.00	1.20	6.60	5.80	7.80	4.10	8.00	1.40	2.90	1.20	5.20	47.80
1858,	3.00	2.20	1.60	3.90	5.50	5.20	3.20	3.20	1.60	1.40	4.90	4.40	40.10
1859,	4.55	3.45	6.10	5.30	2.10	4.90	2.50	4.40	8.80	3.10	3.20	3.25	51.65
1860,	3.20	2.90	1.20	3.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861,	4.50	2.40	3.80	4.50	5.90	2.20	1.80	2.90	4.20	2.40	6.60	1.80	43.00
1862,	4.30	3.80	3.70	3.10	2.60	6.10	1.90	1.10	6.20	3.70	5.20	1.10	42.80
1863,	4.10	4.40	4.20	8.00	4.60	2.70	4.60	2.90	0.70	3.20	2.30	4.70	46.40
1864,	1.70	0.60	4.50	3.40	6.20	2.30	2.10	1.70	4.10	1.80	3.20	4.30	35.90
1865,	3.10	4.80	4.60	1.40	6.00	3.70	2.30	2.00	2.00	5.00	3.10	5.20	43.20
1866,	2.20	5.00	3.70	2.90	3.70	2.90	2.80	4.50	6.50	3.90	1.90	3.10	43.10
1867,	1.70	3.90	4.40	1.20	7.75	8.00	5.30	11.00	1.20	3.40	1.90	3.50	53.25
1868,	3.50	2.30	2.50	4.10	6.40	7.00	3.80	5.60	6.80	1.60	4.70	3.30	51.60
1869,	4.00	5.10	5.20	1.40	6.70	4.80	2.50	1.00	3.60	6.10	3.70	5.20	49.30
1870,	3.80	2.60	3.60	4.10	3.70	3.60	4.00	3.90	1.50	4.50	1.50	1.80	38.60
1871,	2.20	3.50	5.40	2.00	3.80	5.00	5.70	4.00	1.50	5.40	3.80	2.40	44.70
1872,	1.85	1.30	3.50	2.30	2.00	2.70	7.70	7.30	2.70	4.20	3.45	3.00	42.00
1873,	6.50	4.20	2.20	4.70	3.80	1.20	2.70	9.62	2.80	5.00	4.50	2.70	49.92
1874,	5.40	2.70	1.50	8.00	2.10	1.90	4.10	1.40	4.40	1.50	2.50	1.80	37.30
1875,	3.00	3.20	3.90	2.60	1.00	3.60	2.20	6.90	2.50	1.90	4.30	2.70	37.80
1876,	1.10	4.10	5.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1878,	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.85	3.02	5.66	.....
1879,	2.41	2.48	3.11	4.87	1.23	4.56	5.59	8.80	1.48	0.48	1.75	5.98	42.74
1880,	2.72	2.34	5.27	3.98	0.78	2.08	12.51	3.10	2.64	2.25	2.27	4.45	44.39
1881,	4.94	4.20	4.09	0.73	3.04	4.71	1.13	1.44	0.64	2.00	2.85	3.32	33.09
1882,	5.02	4.99	2.31	2.37	5.14	2.30	1.69	5.03	12.35	1.96	1.63	2.02	46.81
1883,	4.07	4.60	2.60	3.88	3.34	5.04	2.05	5.36	3.64	4.02	1.56	3.31	43.47
1884,	4.90	5.04	4.79	2.25	4.48	5.30	4.24	4.58	0.22	2.30	3.12	6.00	47.22
1885,	4.23	4.91	1.19	2.30	1.51	1.02	4.05	7.56	1.07	4.23	3.58	3.26	38.91
1886,	4.12	5.67	3.53	4.09	6.49	2.90	4.54	2.01	0.85	2.90	4.72	3.52	45.34
1887,	2.92	4.96	2.98	2.61	3.61	4.28	9.28	2.52	4.14	3.06	.....	.....	.....
Means,	3.45	3.21	3.47	3.72	3.86	4.03	3.97	4.38	3.14	3.23	3.36	3.52	43.34

Mosgrove, Armstrong Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	6.52	2.00	5.79	2.72	3.25	1.95	4.93	1.54	1.48	5.42	2.65	2.24	40.49
1914,	2.33	2.13	2.35	4.55	4.21	4.61	2.60	4.85	0.77	2.31	1.29	4.23	36.23
1915,	4.81	2.61	1.19	0.46	3.81	4.98	8.55	6.90	2.16	3.44	2.58	3.93	45.42

Mountain House, Fulton Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1909,	.....	.....	1.67	4.81	2.37	4.89	3.19	2.89	1.37	3.60	0.51	2.75	.....
1910,	5.65	3.05	0.40	5.39	1.64	6.39	1.71	1.54	3.87	1.21	0.75	1.93	33.53
1911,	4.33	2.00	2.57	4.15	1.19	4.24	1.97	7.39	6.10	3.00	1.79	4.26	42.99
1912,	1.73	2.30	4.72	5.02	5.99	3.77	6.14	3.67	4.86	2.08	1.41	2.88	44.57
1913,	3.18	0.99	4.07	2.79	6.30	1.53	4.23	2.61	2.18	7.13	3.38	2.82	40.61
1914,	3.55	2.88	2.98	4.40	2.81	3.18	2.45	1.67	0.70	1.70	1.53	3.57	31.42
1915,	5.14	3.77	1.22	1.46	4.81	4.92	4.43	5.87	2.74	2.26	2.04	4.52	43.18
Means,	3.93	2.50	2.52	4.00	3.59	4.13	3.45	3.58	3.12	3.00	1.63	3.25	38.70

Mount Gretna, Lebanon Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1910,	.....	.....	.....	6.26	3.15	5.94	2.27	1.66	4.78	1.89	1.89	2.07	.....
1911,	2.86	2.13	3.59	3.51	1.21	3.40	2.06	10.23	3.94	3.73	2.98	3.72	43.36
1912,	1.88	2.49	6.53	4.75	2.55	3.62	5.18	2.85	4.05	2.62	2.87	4.74	44.18
1913,	3.46	2.09	6.90	5.72	2.78	0.81	2.09	4.58	3.61	7.47	2.25	4.26	46.02
1914,	4.03	2.93	1.84	4.69	2.50	4.52	4.38	6.65	0.48	1.58	2.15	5.46	41.21
1915,	6.82	5.31	1.67	2.76	3.66	5.93	4.58	11.06	4.52	3.36	2.09	4.52	56.28
Means,	3.81	2.99	4.11	4.61	2.64	4.04	3.43	6.17	3.56	3.44	2.37	4.13	45.30

Mount Joy, Lancaster Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1857,	.....	.....	.....	.....	.....	.....	.....	3.74	1.75	1.85	2.22	.....	.....
1858,	1.35	1.49	0.65	3.88	10.23	8.08	1.74	3.43	2.09	2.51	3.81	5.10	44.36
1859,	4.79	1.91	.....	4.66	2.56	1.87	2.90	3.50	11.15	0.86	.....	4.02	.....
1861,	5.50	2.20	6.50	4.12	4.70	1.17	2.92	7.68	4.62	4.72	4.25	1.50	49.88
1862,	5.45	1.96	4.95	3.87	0.40	8.35	2.73	0.70	0.75	2.50	2.05	.....	.....
1863,	4.05	3.15	4.70	5.30	4.65	3.45	3.70	.....	4.65	3.10	3.80	4.10	.....
1864,	2.15	0.75	2.40	3.55	6.15	2.15	1.90	2.95	4.05	1.35	2.35	4.00	33.75
1865,	3.15	2.10	2.35	1.15	4.75	2.80	6.10	0.80	0.30	.....	2.85	1.75	.....
1866,	2.00	1.50	0.80	2.70	2.15	2.35	1.43	3.70	4.00	.....	1.50	2.10	.....
1867,	1.10	4.65	3.70	0.53	5.35	5.25	2.15	8.80	.....	4.50	.....	.....	.....
1872,	.....	.....	.....	.....	.....	2.96	4.80	6.85	4.30	3.60	5.25	3.60	.....
1873,	1.10	3.10	4.00	3.50	5.80	.....	5.40	6.04	2.55	3.45	2.80	1.50	.....

Mt. Carmel, Northumberland Co.—(No. 6 Reservoir, 2 1-2 Miles North of Mt. Carmel)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1909.	.....	.....	.....	.....	.....	.....	1.41	0.44	1.94	2.66	0.71	2.52	.....
1910.	4.07	3.32	0.72	6.24	4.08	6.01	1.50	3.69	4.60	1.79	3.15	3.19	42.36
1911.	3.74	1.56	2.39	3.55	1.99	2.73	3.92	9.01	4.27	5.32	3.12	2.82	44.42
1912.	1.41	1.65	5.22	4.64	4.31	1.55	5.28	5.07	4.77	2.69	3.25	3.87	43.71
1913.	4.01	1.69	6.18	5.37	3.11	2.26	5.94	2.02	4.39	4.41	1.97	3.20	44.55
1914.	2.37	1.42	1.82	5.37	3.42	4.37	5.79	5.07	1.22	1.40	1.16	3.63	37.24
1915.	5.73	4.87	1.10	2.66	3.26	2.63	5.17	8.82	2.44	1.04	1.05	4.16	42.93
Means.	3.56	2.42	2.90	4.64	3.36	3.26	4.14	4.87	3.38	2.76	2.06	3.34	40.69

Note: Furnished by Roaring Creek Water Company, Shamokin, Pa.

Muncy Valley, Sullivan Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1909.	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.00	0.83	3.20	.....
1910.	6.48	3.09	0.14	7.88	5.03	5.85	2.71	2.73	5.27	1.29	2.16	2.42	45.05
1911.	2.44	.....	2.36	3.86	2.45	5.46	1.56	7.64	.....	.....	.....	.....	.....
1913.	.....	.....	.....	.....	.....	.....	.....	.....	3.86	3.64	2.03	3.39	.....
1914.	2.37	1.68	2.31	7.06	4.94	3.81	5.84	4.65	1.86	2.02	1.55	4.59	42.68
1915.	6.85	4.45	0.72	3.00	4.06	5.85	6.86	6.02	2.25	1.52	2.25	3.76	47.59

Murrysville, Westmoreland Co.—(Elevation 900 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914.	.....	.....	.....	.....	.....	.....	.....	4.31	0.58	2.72	0.93	3.33	.....
1915.	3.47	2.34	1.21	1.20	4.79	4.08	4.25	*4.30	.....	.....	.....	.....	.....

Note: *Discontinued August 31, 1915. This station maintained and operated by Water Supply Commission of Pennsylvania.

Nazareth, Northampton Co.—(Elevation 530 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1856,	.....	0.55	.....	3.72	.....	2.63	2.27	9.11	4.51	1.35	3.32	.....	.....
1857,	.....	.....	.....	4.67	7.81	.....	8.29	.....	.....	.....	.....	.....	.....
1859,	.....	.....	.....	.....	.....	.....	.....	.....	6.81	1.85	3.10	.....	.....
1861,	.....	.....	3.39	1.75	5.32	1.53	.....	3.59	4.63	3.90	5.53	2.66	.....
1862,	5.85	2.60	3.21	3.96	2.03	.....	.....	.....	.....	.....	.....	.....	.....

Neshaminy, Bucks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1915,	4.93	4.36	0.81	2.41	4.01	3.68	6.32	7.67	0.86	3.50	1.42	3.62	43.59

New Bloomfield, Perry Co.—(Elevation 400 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	2.47	2.92	3.95	2.75	6.55	3.50	2.47	7.03	6.28	3.98	2.89	3.63	49.42
1889,	3.52	1.24	3.91	3.88	6.06	6.25	6.08	2.75	5.02	4.35	7.31	2.24	52.61
1890,	1.47	6.11	5.87	3.47	.....	.....	.....	.....	.....	.....	.....	.....	.....

New Castle, Lawrence Co.—(Elevation 850 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1870,	5.60	3.20	2.60	2.60	5.00	4.90	7.50	6 90	1.90	2.40	2.20	1.50	46.30
1871,	2.45	1.30	1.80	1.30	2.60	4.30	5.60	0.30	0.40	1.70	2.70	1.60	26.05
1872,	1.15	0.65	0.95	1.00	2.70	2.10	5.40	2.20	3.70	4.40	0.95	2.70	27.90
1873,	2.10	0.70	3.20	1.40	2.10	5.50	3.20	2.60	2.20	4.40	2.20	5.00	34.60
1874,	4.20	3.70	3.20	3.30	1.20	2.10	6.50	1.30	2.40	0.60	3.00	1.50	33.00
1875,	1.96	1.10	2.10	3.10	1.80	4.40	8.20	5.00	2.30	2.70	2.70	3.00	38.30
1876,	3.90	4.00	3.00	1.10	1.90	1.50	6.00	1.60	7.00	1.10	2.00	2.30	35.40
1877,	2.20	0.50	4.30	1.60	0.90	4.10	4.10	2.40	2.20	2.00	3.70	1.30	29.30
1878,	3.30	1.50	2.00	2.90	1.60	4.60	3.70	0.80	10.00	2.50	2.80	3.30	39.00
1879,	1.80	3.10	3.70	1.00	2.00	4.50	5.70	4.00	1.60	0.60	3.00	4.20	35.20
1880,	2.40	2.10	3.20	3.30	2.20	5.10	3.10	4.50	1.70	1.90	2.40	1.70	33.60
1881,	2.20	2.70	2.90	0.90	1.80	8.40	2.50	0.20	1.50	3.40	2.70	3.00	32.20
1882,	2.70	2.90	2.30	0.70	6.00	4.00	3.50	.....	.....	.....	.....	.....	.....
1888,	2.77	1.83	2.01	2.95	2.73	3.25	4.90	6.38	2.84	3.99	3.99	2.45	40.09
1889,	3.17	3.33	2.73	6.06	3.20	6.50	.....	2.28	4.01	1.88	2.89	3.64	.....
1890,	4.54	6.39	4.29	3.82	7.25	2.65	1.55	3.69	7.48	6.26	2.48	2.13	52.53
1891,	2.88	4.54	3.32	2.36	2.46	3.02	4.88	1.51	3.34	0.84	3.65	2.62	35.42
1892,	2.75	2.56	2.26	1.95	6.31	7.08	2.50	3.31	2.53	0.57	1.61	1.02	34.45
1893,	2.60	4.65	2.11	3.09	6.23	4.38	6.08	3.37	2.07	4.59	1.39	2.24	42.80
1894,	1.61	1.76	1.47	2.94	.....	.....	.....	.....	.....	.....	.....	.....	.....
1904,	2.60	2.34	4.15	5.01	4.92	3.58	4.22	6.35	1.41	1.77	0.76	2.29	39.40
1905,	2.46	2.30	3.61	2.33	4.12	4.47	6.54	4.54	3.16	3.53	2.20	2.38	41.64
1906,	1.67	1.15	3.06	2.07	2.60	.....	.....	3.91	.....	3.24	1.54	1.69	.....
1907,	.....	1.11	2.58	2.91	2.14	4.08	3.03	1.30	3.45	2.18	1.70	1.90	.....
1908,	2.63	2.70	4.45	2.20	5.05	2.45	3.65	2.70	0.95	1.60	1.00	2.10	31.48
1909,	4.25	4.35	2.35	5.25	2.00	5.50	1.95	1.20	0.80	0.95	1.50	2.14	32.24
1910,	7.50	4.20	0.00	3.50	3.10	2.95	2.35	0.55	6.75	1.85	1.10	2.45	36.30
1911,	2.50	.....	.....	3.80	1.00	5.60	0.90	3.40	5.80	6.45	.....	2.57	.....
1912,	2.95	1.02	2.05	.....	2.05	.....	6.70	6.90	4.45	2.25	0.85	.....	.....
1913,	4.80	2.10	5.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914,	2.42	2.06	1.88	5.82	3.92	4.47	1.68	3.71	1.47	2.77	1.83	3.69	35.72
1915,	4.77	2.02	1.63	0.93	2.29	4.55	5.07	5.62	1.91	1.78	2.14	3.52	36.23
Means,	3.06	2.54	2.72	2.71	3.11	4.29	4.29	3.19	3.19	2.56	2.18	2.50	36.34

Note: 1904-1912 station located at Skidmore, 5 miles northeast from New Castle.

New Geneva, Fayette Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1877,	.....	.....	.....	.....	.....	.....	.....	3.84	3.99	4.53	4.47	1.28	.....
1878,	4.65	1.28	2.61	2.46	2.81	3.69	4.42	3.87	4.03	3.55	5.03	4.67	43.07
1879,	2.48	1.94	5.25	0.80	1.83	3.75	6.88	3.83	1.46	1.14	2.08	4.24	35.68
1880,	5.66	4.05	4.14	3.37	2.12	7.69	3.40	4.63	4.62	3.17	1.72	3.50	48.07
1881,	3.00	3.44	2.54	1.97	3.09	7.43	5.28	d0.66	1.17	4.11	3.14	6.16	41.99
1882,	6.48	5.23	6.41	2.72	4.22	3.01	3.01	6.77	5.02	2.83	1.81	1.46	48.97
1883,	3.10	3.72	2.04	4.10	.....	.....	.....	.....	.....	.....	.....	.....	.....
1884,	5.14	4.48	4.97	1.66	3.56	1.09	7.70	1.35	1.27	0.67	1.66	3.81	37.36
1885,	5.74	2.05	1.56	3.25	1.76	2.89	4.51	6.79	1.22	4.74	2.26	1.38	38.15
1886,	2.98	1.55	2.46	2.92	5.58	5.51	3.61	7.39	3.81	0.89	2.61	2.62	41.93
1887,	1.73	4.96	0.74	3.33	3.66	4.17	1.63	1.99	2.65	0.84	1.30	1.09	28.09
1888,	6.29	1.63	3.89	2.18	3.95	.....	.....	.....	.....	.....	.....	.....	.....
Means,	4.30	3.12	3.33	2.61	3.26	4.36	4.49	4.11	2.92	2.65	2.61	3.02	40.78

New Germantown, Perry Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1903,	.....	.....	.....	.....	.....	.....	.....	5.53	3.42	4.12	1.17	1.92	.....
1904,	2.54	1.76	3.16	3.09	3.03	4.09	5.69	4.45	1.62	2.35	0.85	2.09	35.32
1905,	3.98	0.96	3.92	2.05	4.08	3.96	6.06	5.65	7.30	3.55	2.22	4.40	48.13
1906,	1.87	1.24	3.73	2.86	2.73	9.13	3.25	6.57	1.11	7.54	0.85	4.21	45.09
1907,	3.70	1.60	3.70	3.43	2.55	5.50	3.77	2.30	4.62	2.22	3.66	4.28	41.33
1908,	2.10	4.65	1.77	2.53	10.09	2.60	4.62	2.42	4.06	2.74	0.40	2.19	40.17
1909,	2.77	3.02	1.74	4.26	2.66	3.83	1.31	2.87	2.44	.....	0.40	3.18	.....
1910,	4.69	2.77	0.24	7.31	2.88	7.44	1.35	1.53	4.37	2.07	1.52	1.95	38.12
1911,	2.86	1.61	.....	.....	1.60	3.75	4.01	6.48	5.49	3.77	2.30	3.34	.....
1912,	1.22	2.05	4.86	.....	4.21	3.31	2.77	3.15	6.21	0.98	4.27	2.18	.....
1913,	4.79	1.91	2.78	1.46	4.79	0.83	1.32	1.90	2.47	6.00	.....	.....	.....
Means,	3.05	2.16	2.88	3.45	3.86	4.44	3.42	3.90	3.92	3.53	1.75	2.97	39.33

Newtown, Bucks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1839,	.....	.....	2.50	3.20	7.50	3.52	.....	6.80	5.25	2.15	4.16	7.17	.....
1840,	1.75	3.38	3.30	7.78	3.91	6.58	3.98	5.55	3.12	6.20	3.76	4.26	53.57
1841,	7.04	1.31	4.95	5.47	2.89	5.10	4.40	10.69	1.95	3.15	3.77	6.62	57.34
1842,	0.95	4.43	2.70	5.17	4.17	3.31	6.92	4.43	1.51	1.83	3.21	3.22	41.85
1843,	1.43	2.45	4.92	4.39	1.77	2.41	.....	.....	.....	.....	.....	.....	.....

Nisbet, Lycoming Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	1.80	1.45	3.30	4.80	6.20	5.10	2.80	3.40	4.20	7.70	4.00	.....
1890,	3.50	3.70	4.30	4.00	6.20	3.60	3.80	4.30	3.90	6.40	1.30	4.25	49.25
1891,	4.00	5.20	5.20	2.00	1.20	5.00	4.70	6.50	2.40	2.60	3.00	4.80	46.50
1896,	1.77	4.53	2.52	0.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
1899,	1.76	3.22	3.23	1.36	3.00	6.28	2.11	4.08	3.92	0.38	4.87	3.96	38.17
1900,	1.10	3.95	3.25	0.84	1.23	.....	.....	.....	.....	.....	.....	.....	.....

Norristown, Montgomery Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1854,	3.34	6.25	1.75	6.45	4.36	4.34	2.77	2.15	3.06	1.96	3.62	3.74	43.79
1855,	2.60	3.10	1.85	1.97	4.37	7.55	7.58	1.34	5.23	4.94	2.18	5.43	48.14
1856,	3.65	1.26	0.45	3.59	3.30	1.16	1.50	7.09	5.82	0.98	3.07	4.17	38.04
1857,	3.06	0.89	1.46	6.84	6.77	6.00	2.72	6.77	1.71	3.34	1.69	6.00	47.55
1858,	2.85	2.78	1.17	4.11	6.62	4.61	2.87	2.04	1.32	1.80	4.70	4.46	39.33
1859,	4.80	3.04	6.14	5.08	1.34	3.80	2.24	2.97	7.74	2.63	3.58	3.62	46.95
1861,	4.86	2.44	3.58	4.52	5.89	2.89	2.16	3.81	5.09	4.12	5.75	1.94	47.05
1862,	5.08	3.70	4.52	4.24	1.61	6.13	4.01	0.57	4.71	4.05	4.62	1.79	45.03
1863,	.....	4.88	.....	7.08	6.20	3.23	6.91	.....	.....	.....	.....	.....	.....

North Abington, Luzerne Co.—(Elevation 1,183 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1868,	.....	.....	.....	3.82	5.85	2.75	1.05	5.30	4.50	1.02	4.22	1.85	.....
1869,	5.20	2.70	3.43	2.57	4.15	2.92	2.46	2.10	3.65	6.97	2.41	4.82	43.98
1870,	2.88	4.20	3.67	3.30	4.00	4.92	5.28	1.82	2.45	4.00	1.83	1.63	39.98
1871,	3.85	2.40	6.87	2.20	2.45	5.20	13.05	6.68	0.80	2.85	2.93	1.27	49.55
1872,	1.08	1.83	1.38	1.95	3.20	4.89	5.93	6.66	2.65	4.32	2.70	2.93	39.52
1873,	4.38	2.45	3.60	4.07	3.03	3.05	6.00	2.65	2.25	5.80	2.33	2.85	42.46
1874,	3.20	2.78	2.25	5.30	1.95	5.31	6.25	1.90	2.86	2.30	4.25	1.15	39.49
Means,	3.36	2.72	3.55	3.34	3.52	4.16	5.72	3.87	2.74	3.91	2.95	2.36	42.21

Northumberland, Northumberland Co.—(Elevation 450 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1839,	1.54	1.99	1.15	4.63	3.39	4.85	7.34	2.52	2.82	1.49	2.39	3.18	37.29
1840,	1.44	2.64	6.48	3.26	2.73	4.71	1.94	5.01	1.28	3.96	2.95	.....	.....
1841,	5.24	1.27	3.77	4.42	4.28	2.69	2.55	3.86	2.90	0.83	2.41	5.51	39.73

North Whitehall and Egypt, Lehigh Co.—(Elevations 400 and 450 feet respectively)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1874,	.....	3.00	1.50	4.95	2.05	3.70	2.85	3.35	3.00	4.08	2.15	2.57	.....
1875,	1.80	1.70	4.45	1.35	1.00	2.07	1.15	8.55	1.90	4.35	.....	1.95	.....
1876,	0.70	3.88	4.80	0.40	2.45	2.00	3.60	1.20	6.60	1.35	4.50	1.50	32.98
1877,	1.85	1.35	5.60	2.70	1.40	5.70	5.60	2.60	3.50	6.05	6.80	1.25	44.40
1878,	5.25	2.20	3.70	3.39	4.53	2.62	5.47	2.50	6.05	3.00	2.10	3.60	44.41
1879,	2.50	1.95	3.35	3.29	1.80	7.25	1.90	5.75	2.50	1.10	1.60	6.10	39.09
1880,	4.45	3.85	2.00	3.00	1.70	5.20	4.85	1.15	1.87	1.90	3.55	1.25	34.77
1881,	2.90	4.12	5.05	0.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	2.88	2.79	3.52	2.26	2.47	3.67	3.89	4.21	3.52	3.44	3.45	2.82	38.92

Note: A few scattering months' records are available from 1860 to 1873 inclusive, but so few as to have no value. Means for all are given.

Oil City, Venango Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1877,	2.55	1.20	5.09	1.03	0.64	6.51	3.43	1.81	2.99	3.20	5.90	2.22	36.57
1878,	4.58	2.97	3.17	2.87	4.40	4.44	5.53	2.65	6.34	2.45	4.67	4.78	48.85
1879,	4.42	4.58	3.91	2.88	1.97	2.93	3.88	1.90	2.97	3.61	6.22	5.82	45.12
1880,	4.55	2.80	2.25	4.55	2.82	4.62	1.73	2.68	2.68	3.40	2.50	2.30	36.88
1881,	4.78	4.33	2.80	2.29	3.53	9.10	1.43	0.72	2.33	4.84	4.84	5.60	46.59
1882,	3.61	4.53	3.72	2.53	6.09	5.23	3.27	4.97	6.07	2.17	2.41	4.10	48.70
1883,	6.47	6.08	4.74	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887,	1.40	7.04	1.27	2.15	2.22	.....	5.53	4.61	2.24	3.77	2.56	1.76	.....
1888,	4.57	0.79	2.30	3.24	1.30	2.58	1.24	0.71	1.29	0.54	2.98	1.26	22.80
1889,	1.81	0.29	1.50	3.98	3.85	7.04	4.30	1.65	3.43	3.17	2.12	1.63	34.77
1890,	1.60	2.46	2.75	1.32	8.50	4.91	2.24	5.56	7.31	3.97	2.58	1.96	45.16
1891,	2.16	5.24	3.23	1.91	1.08	5.13	8.63	2.59	1.50	1.70	2.85	2.18	38.20
1892,	1.32	2.07	1.32	0.78	7.56	4.07	3.83	3.45	2.74	1.14	2.84	0.95	32.07
1893,	3.29	8.11	2.92	4.92	6.15	3.99	4.52	3.04	2.39	4.02	1.99	4.63	49.97
1894,	3.48	2.94	1.90	3.17	5.04	1.62	1.95	0.41	6.51	2.43	2.22	2.65	34.32
1895,	4.63	1.49	1.64	2.68	4.22	2.58	3.65	3.09	5.15	1.24	5.11	5.32	40.80
1896,	1.66	3.56	3.18	2.96	2.73	6.88	6.69	2.16	4.40	2.15	2.50	2.10	40.97
1897,	2.59	2.91	5.36	3.54	4.12	4.05	7.97	5.07	1.53	0.37	6.37	3.63	47.51
1898,	5.32	2.53	5.74	2.13	4.64	4.56	4.45	6.73	2.11	5.18	4.33	2.90	50.62
1899,	2.57	2.61	4.63	1.58	5.14	3.18	5.39	1.28	4.47	1.72	2.31	4.85	39.73
1900,	2.77	3.58	3.89	1.40	1.77	3.84	6.39	2.65	2.96	1.73	5.22	1.63	37.83
1901,	2.55	1.76	4.31	5.99	5.14	5.37	3.42	4.11	6.61	0.39	3.96	4.31	47.95
1902,	1.88	1.63	3.12	2.96	3.65	7.24	10.66	2.02	3.06	2.74	1.78	4.80	45.54
1903,	3.82	5.07	5.06	3.44	2.62	7.08	7.04	4.32	2.04	2.92	2.67	2.82	48.90
1904,	5.45	3.51	6.10	4.50	4.39	2.30	3.42	4.02	2.66	1.64	0.92	2.80	41.71
1905,	3.46	2.64	3.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	3.36	3.34	3.44	2.87	3.90	4.75	4.61	3.01	3.57	2.52	3.41	3.21	41.99

Ottsville, Bucks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	4.30	2.67	4.42	4.64	5.85	7.58	13.19	5.13	7.38	5.09	8.87	1.97	71.09
1890,	2.70	4.61	5.69	2.41	7.29	5.12	6.90	5.37	2.99	5.82	1.07	2.37	52.34
1891,	6.76	4.02	4.54	1.70	3.01	2.81	8.28	7.85	1.34	3.60	1.92	5.37	51.20
1892,	5.06	1.11	3.83	1.83	5.44	2.90	4.50	2.40	2.67	0.48	6.88	1.79	38.89
1893,	2.70	4.90	2.67	4.80	4.85	3.92	1.83	7.46	3.04	3.08	4.19	3.07	46.51
1894,	1.78	3.59	1.56	2.23	12.92	2.49	2.41	1.93	8.27	4.95	3.14	4.78	50.05
1895,	3.93	0.88	3.30	4.99	2.73	3.58	3.61	3.98	0.59	4.10	2.03	3.53	37.25
1896,	0.87	7.41	4.96	1.41	3.85	3.36	9.69	0.45	6.95	2.55	4.17	1.89	47.56
1897,	2.44	3.03	2.52	3.28	7.81	5.55	6.82	4.87	1.88	1.54	4.80	4.71	49.25
1898,	4.32	3.20	2.83	4.46	6.27	0.75	2.15	5.70	2.09	5.25	7.25	3.49	47.76
1899,	2.32	5.46	5.56	1.86	2.21	1.70	3.13	3.51	5.13	*1.56	2.37	1.97	*36.78
1900,	*3.67	*5.11	*3.18	*2.14	*4.67	*4.10	*5.85	*3.56	*2.42	*2.62	*2.30	*2.37	*41.99
1901,	2.68	1.37	4.54	4.86	4.88	2.03	3.49	7.29	3.33	1.57	1.93	8.33	46.30
1902,	3.20	5.21	3.62	3.10	1.61	5.72	4.53	1.37	7.28	5.38	1.61	7.49	50.12
1903,	3.05	5.11	3.98	4.11	1.01	7.86	8.11	5.08	2.47	6.80	1.65	4.64	53.87
1904,	3.51	2.32	3.11	2.63	4.21	4.84	5.37	5.69	6.02	4.50	1.94	2.47	46.61
1905,	4.76	2.26	3.80	2.99	0.91	2.19	4.39	7.42	4.55	3.83	2.97	2.19	42.26
1906,	2.20	2.36	5.02	3.45	3.94	4.84	4.82	3.29	1.23	4.93	2.79	4.45	43.42
1907,	3.48	2.66	3.65	3.25	2.80	4.67	3.85	3.82	10 04	4.49	5.36	5.15	53.22
1908,	3.75	5.68	3.22	2.46	7.48	2.61	3.74	4.28	2.01	3.34	0.76	2.26	41.59
1909,	3.37	5.51	3.29	5.27	2.96	3.70	2.63	1.72	1.87	1.26	3.97	3.96	39.51
1910,	3.52	3.35	0.93	6.57	2.57	3.97	0.62	5.60	4.06	1.96	3.61	1.82	38.58
1911,	3.17	2.13	3.01	3.43	2.66	4.39	6.62	7.16	3.06	5.63	4.55	3.75	49.56
1912,	1.82	2.02	7.86	3.24	2.52	2.70	3.23	4.47	5.20	3.53	4.21	4.41	45.21
1913,	3.15	2.26	5.38	7.84	2.76	2.02	4.19	3.15	4.26	7.15	3.85	3.11	49.12
Means,	3.30	3.53	3.86	3.56	4.29	3.82	4.96	4.50	4.00	3.80	3.53	3.65	46.80

Note: *Interpolated.

Parkers Landing, Armstrong Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1885,	6.49	1.22	0.70	3.00	4.56	4.20	7.40	9.26	2.78	4.47	2.11	1.90	48.09
1886,	2.60	1.68	2.14	4.12	1.34	3.68	2.86	2.01	4.06	0.68	4.43	2.92	32.52
1887,	1.50	7.43	2.08	2.71	2.42	3.04	3.80	3.41	2.13	0.94	2.61	1.18	33.25
1888,	5.20	1.76	2.09	2.19	5.45	.....	.....	.....	.....	3.22	3.53	1.76	.....
1889,	3.07	1.88	2.03	2.92	1.78	4.42	5.24	3.06	3.79	3.28	4.00	4.06	39.53
1890,	4.96	5.33	4.24	4.55	8.44	2.08	1.96	5.92	6.68	7.04	2.18	3.91	57.29
1891,	2.49	6.04	3.73	2.29	1.62	7.07	7.38	3.76	2.20	1.64	3.15	3.87	45.24
1892,	3.47	2.41	3.73	2.78	9.06	5.35	2.41	2.73	3.87	0.85	3.33	1.63	41.62
1893,	2.70	7.80	3.18	5.40	5.28	6.41	2.68	4.58	2.53	4.38	2.47	4.09	51.50
1894,	3.16	2.72	2.09	4.35	4.75	3.63	3.30	1.10	9.82	2.74	2.64	3.54	43.84
1895,	4.16	0.84	2.20	2.95	2.33	3.76	4.54	2.97	2.77	0.75	4.00	4.30	35.57
1896,	1.62	3.26	3.55	2.04	3.10	4.11	6.99	5.01	4.24	2.21	2.52	1.68	40.33
1897,	2.24	3.64	4.95	3.42	3.41	3.69	7.23	3.82	1.39	0.77	5.39	3.38	43.33
1898,	5.50	2,52	7.17	1.99	3.92	5.89	2.13	6.36	1.23	5.05	3.18	1.99	46.93
1899,	2.03	1.73	3.92	1.54	4.49	5.58	6.18	0.86	4.18	1.64	3.20	4.06	39.41
1900,	2.67	3.88	4.35	1.51	3.52	4.57	5.17	3.30	1.63	2.24	4.20	1.37	38.41
1901,	2.75	1.02	4.66	7.57	5.25	4.57	2.39	7.88	4.32	0.75	4.53	4.86	50.55
1902,	2.26	1.50	3.22	3.30	2.87	6.14	7.08	2.24	1.82	3.54	1.35	5.56	40.88
1903,	3.38	5.16	5.52	3.40	3.02	6.28	5.22	4.80	2.62	2.48	3.92	1.80	47.60
1904,	3.84	3.10	6.08	6.42	3.40	4.02	3.72	3.96	1.24	2.18	0.78	3.12	41.86
1905,	2.92	1.54	2.94	2.48	3.80	5.02	7.42	5.10	4.22	4.02	2.56	3.84	45.86
1906,	2.72	0.64	3.00	2.22	3.22	5.04	2.94	6.90	4.26	3.64	2.12	3.48	40.18
1907,	4.40	1.54	5.76	3.38	2.95	7.24	4.78	1.28	3.40	2.62	2.33	2.62	42.30
1908,	2.86	5.16	5.38	4.50	5.52	2.70	4.90	2.88	0.82	1.06	1.06	3.74	41.08
1909,	4.18	5.52	4.62	7.28	3.00	5.64	2.96	1.82	1.94	2.56	1.60	2.84	43.96
1910,	6.08	4.64	0.24	3.10	3.14	1.80	2.94	2.16	6.08	2.04	3.18	3.56	38.96
1911,	3.76	3.42	3.37	4.12	0.38	4.45	1.84	8.57	7.68	6.78	3.97	4.88	53.22
1912,	2.09	2.40	4.30	4.80	2.40	2.34	7.38	7.00	4.07	2.73	1.31	3.70	44.55
1913,	7.36	1.91	7.20	2.10	2.55	2.69	4.51	1.69	1.24	4.76	3.00	2.41	41.42
1914,	3.22	2.91	2.04	5.89	4.37	3.92	1.86	4.01	1.74	3.14	1.56	4.56	39.22
1915,	3.90	3.77	1.29	1.13	3.03	3.01	5.14	4.40	3.39	2.27	2.20	3.18	36.71
Means,	3.53	3.17	3.62	3.53	3.69	4.41	4.48	4.09	3.40	2.79	2.85	3.22	42.78

Paupack, Pike Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	*1.99	2.24	4.39	4.60	2.90	1.52	1.45	5.09	6.81	3.90	2.37	2.41	39.67
1913,	2.81	1.66	4.56	4.18	2.88	1.75	2.72	1.22	2.75	4.16	4.05	2.97	35.71
1914,	2.01	2.81	2.36	4.36	3.65	3.99	5.24	3.31	0.86	1.75	1.33	4.79	36.46
1915,	5.20	3.93	0.93	2.60	4.26	2.77	5.41	8.62	4.21	1.66	2.69	4.17	46.45

Notes: *Mean of Wilsonville, Pocono Lake and Milford. This record furnished by L. B. Stillwell, Consulting Engineers, New York City.

Penn Line, Crawford Co.—(Elevation 1,030 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	3.68	1.99	3.19	4.99	4.92	2.58	4.64	4.38	0.97	3.41	2.23	3.81	40.79
1915,	2.86	3.15	1.11	1.20	4.29	3.03	4.87	6.50	3.07	2.36	2.95	3.33	38.72

Note: This station located at Padanaram, Ohio, Jan. to Nov, 1914, inclusive. Maintained and operated by Water Supply Commission of Pennsylvania.

Petersburg, Huntingdon Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	.....	.....	3.90	6.85	3.10	5.47	3.12	3.57	3.29	7.16	2.31	.....
1890,	2.65	4.98	3.83	4.11	6.96	3.27	3.03	4.58	2.35	5.59	1.38	3.91	46.64

Philadelphia, Philadelphia Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1819,	.....	.....	.....	.....	.....	.....	0.74	3.86	2.44	0.94	1.00	1.46	.....
1820,	3.00	2.55	5.01	3.00	6.56	1.88	6.50	3.64	1.95	8.94	3.12	3.25	49.40
1821,	0.48	4.82	0.57	3.05	5.92	2.60	1.84	0.41	5.74	3.24	4.65	2.84	36.16
1822,	1.70	2.90	2.20	2.16	2.17	1.44	3.80	1.33	5.45	1.24	5.00	1.25	30.64
1823,	3.38	3.86	6.87	1.77	1.60	0.87	6.12	4.68	3.46	2.02	2.47	7.37	44.47
1824,	3.67	3.94	2.63	4.54	1.59	6.09	8.80	6.39	6.10	1.53	2.49	2.11	49.88
1825,	0.84	3.26	4.63	0.83	1.72	3.69	2.06	3.70	2.61	1.25	1.36	3.72	29.67
1826,	1.11	2.13	5.80	3.87	0.19	4.66	3.68	2.75	2.00	5.83	1.85	1.28	35.15
1827,	2.86	3.55	1.23	2.83	2.50	2.09	2.97	5.75	0.79	5.91	4.76	3.26	38.50
1828,	2.05	2.75	3.35	3.82	3.49	2.69	5.33	1.51	4.62	1.39	6.71	0.26	37.97
1829,	5.37	3.75	2.87	4.99	2.68	3.44	4.35	4.61	2.01	2.36	3.97	1.51	41.85
1830,	1.63	2.06	4.12	1.82	3.75	5.99	4.07	3.87	2.93	4.31	5.35	5.18	45.08
1831,	6.22	2.44	2.97	5.20	1.07	3.56	4.17	5.39	5.33	4.51	1.88	1.20	43.94
1832,	4.58	2.66	1.90	2.98	5.04	1.55	2.62	5.69	1.40	3.41	2.59	5.09	39.51
1833,	3.97	1.24	2.22	0.70	5.88	5.28	4.15	3.39	3.82	10.05	2.18	5.67	48.55
1834,	2.49	2.22	2.02	2.83	3.52	3.99	4.35	0.62	3.57	3.29	3.01	2.33	34.24
1835,	2.75	1.81	3.83	4.33	1.99	6.27	6.55	2.05	2.63	1.22	3.19	2.68	39.30
1836,	7.62	2.99	1.75	3.47	2.28	7.31	2.91	1.97	1.82	3.59	3.34	3.61	42.66
1837,	2.50	3.58	3.76	2.83	4.86	2.83	5.89	4.06	2.28	0.66	3.23	2.56	39.04
1838,	2.20	2.19	3.17	3.59	3.58	6.60	2.38	2.78	9.52	4.90	3.35	1.05	45.31
1839,	5.04	3.42	1.51	1.51	6.07	3.92	2.52	4.64	2.92	2.83	3.10	6.26	43.74
1840,	1.84	3.01	2.63	6.83	2.69	5.95	4.54	5.55	2.50	5.73	2.49	3.65	47.41
1841,	7.84	1.39	5.82	6.45	3.27	3.11	3.28	9.10	1.90	3.20	4.22	5.92	55.50
1842,	1.36	4.26	2.84	5.31	5.86	3.19	11.80	3.79	1.27	1.71	3.49	3.66	48.54
1843,	1.44	2.54	4.42	4.72	2.05	1.69	4.54	9.26	4.86	3.22	4.15	4.04	46.93
1844,	4.05	1.45	4.43	1.35	3.09	3.35	5.28	2.40	4.03	5.03	2.95	2.75	40.16
1845,	3.76	4.74	2.42	2.58	1.60	3.72	2.96	7.30	2.16	2.53	2.50	3.96	40.23
1846,	4.63	3.32	4.60	2.11	3.45	3.30	4.60	4.27	0.25	2.45	7.97	3.44	44.40
1847,	4.73	4.57	4.70	0.59	1.57	3.31	2.76	3.18	8.07	3.00	2.84	5.79	45.11
1848,	2.03	1.44	2.75	1.54	4.90	4.43	3.28	1.72	1.81	3.75	2.34	5.01	35.00
1849,	0.73	2.61	5.47	1.75	4.00	2.20	2.93	6.97	1.41	5.60	2.60	5.84	42.11
1850,	4.77	2.87	4.75	2.67	6.50	2.03	5.97	8.33	7.73	1.09	3.32	4.52	54.55
1851,	1.23	3.11	3.47	4.56	4.82	3.44	2.52	2.56	1.13	3.03	3.35	2.28	35.50
1852,	2.01	2.71	4.27	6.45	3.03	4.03	4.06	4.40	1.29	2.27	6.06	5.17	45.75
1853,	1.85	4.44	2.46	3.84	5.17	1.00	6.30	3.09	4.46	3.47	2.32	2.17	40.67
1854,	2.33	4.21	1.62	7.75	6.94	2.39	3.02	0.81	3.80	1.55	2.83	2.91	40.19
1855,	2.34	2.35	1.68	2.05	2.96	7.95	6.40	2.79	4.00	4.11	2.04	5.43	44.10
1856,	4.54	1.24	2.23	3.52	2.60	1.99	1.51	6.00	4.01	1.30	2.07	2.94	33.95
1857,	3.53	0.79	1.83	6.78	5.55	7.50	3.92	7.59	1.11	2.69	1.45	5.55	48.29
1858,	2.59	2.29	1.09	4.64	5.02	4.49	1.35	4.94	1.49	1.84	5.61	4.50	39.85
1859,	6.68	3.66	6.98	5.61	2.25	6.01	4.07	4.73	7.68	3.13	3.82	3.49	58.11
1860,	3.23	2.76	1.42	3.80	3.82	2.88	0.99	8.46	2.85	4.52	6.13	3.31	44.17
1861,	5.25	2.07	3.92	3.71	6.64	3.88	2.56	3.14	4.40	3.80	4.87	2.09	46.33
1862,	4.79	4.64	3.55	4.16	2.31	6.97	2.47	0.93	3.98	4.77	4.79	1.65	45.01
1863,	4.72	4.68	5.89	7.02	4.51	4.25	6.01	1.45	0.88	2.46	2.70	4.63	49.20

Philadelphia, Philadelphia Co.—Continued

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1864.	1.71	0.55	5.17	3.80	8.68	2.35	3.77	1.92	7.16	1.82	3.93	5.15	46.01
1865,	3.61	5.83	4.71	2.83	7.21	4.75	2.97	3.77	7.96	3.05	3.96	5.61	56.26
1866,	3.15	6.61	2.15	2.93	4.68	2.96	2.52	2.18	8.71	4.15	1.76	3.47	45.27
1867,	1.76	3.89	5.47	1.81	7.32	11.03	2.39	15.82	1.72	4.32	2.94	2.73	61.20
1868,	3.62	2.52	3.36	5.44	7.01	4.37	3.51	2.06	8.91	1.74	5.28	3.60	51.42
1869,	4.28	4.76	5.31	2.12	4.24	5.58	2.89	1.28	3.25	6.32	3.73	5.12	48.88
1870,	4.08	2.53	4.06	5.61	6.28	2.90	3.95	5.12	1.71	3.89	2.10	1.89	44.12
1871,	3.47	3.09	5.81	1.83	3.38	3.78	6.81	5.97	1.77	4.86	4.29	2.26	47.32
1872,	1.49	1.12	3.67	2.60	3.15	4.29	9.20	7.81	3.66	5.20	3.43	2.74	48.36
1873,	5.84	4.75	2.05	3.51	5.83	0.90	5.00	11.49	3.63	5.80	5.10	1.38	55.28
1874,	4.58	2.46	2.16	9.76	2.75	2.96	2.25	5.65	6.01	2.87	2.32	2.48	46.25
1875,	2.83	3.20	3.10	2.83	1.36	4.13	3.63	6.42	2.53	1.42	5.40	3.37	40.22
1876,	1.52	5.03	6.71	2.16	4.45	2.29	5.71	0.98	8.77	1.06	7.31	1.40	47.39
1877,	2.62	0.84	3.40	2.66	1.10	5.22	5.53	0.66	2.74	6.52	5.14	0.83	37.26
1878,	3.94	1.64	2.89	2.55	3.29	3.66	4.35	3.83	0.96	2.04	2.19	3.19	31.53
1879,	2.73	1.19	2.28	4.21	1.22	6.77	3.62	7.13	1.12	0.41	1.38	4.69	36.75
1880,	1.51	2.43	3.53	2.43	0.54	1.67	7.74	5.09	1.10	1.74	1.75	4.05	33.58
1881,	3.66	4.76	3.83	0.61	2.71	3.87	0.96	1.18	0.94	3.04	2.02	2.63	30.21
1882,	4.57	4.22	3.57	2.12	5.06	1.90	1.37	6.40	12.09	1.32	0.99	1.97	45.58
1883,	4.13	5.04	2.02	2.44	1.91	5.91	1.78	3.40	4.24	4.20	1.34	2.76	39.17
1884,	5.46	5.70	4.70	1.63	3.39	3.00	3.83	4.30	0.20	1.54	2.31	3.28	39.34
1885,	2.92	2.79	0.69	2.54	3.76	0.74	2.39	6.80	1.17	3.33	3.35	2.87	33.35
1886,	3.69	4.62	3.17	2.70	4.50	2.86	4.23	1.38	1.20	1.89	3.91	3.09	37.24
1887,	3.23	4.43	2.59	2.00	0.62	6.81	7.14	2.31	4.92	1.68	1.38	5.06	42.17
1888,	4.30	2.57	5.42	2.10	3.46	1.09	3.38	5.86	5.73	3.23	3.77	3.15	44.06
1889,	3.75	2.00	2.58	3.17	4.32	3.39	8.29	7.07	4.66	3.76	6.76	0.85	50.60
1890,	1.83	3.39	4.61	2.28	2.96	1.30	4.03	3.36	2.31	4.82	0.80	2.33	34.02
1891,	3.65	4.71	4.42	2.34	1.74	2.51	4.65	4.22	1.90	2.57	1.70	3.78	38.19
1892,	4.48	0.98	4.32	2.03	5.12	1.98	2.97	2.74	2.06	0.30	5.71	2.09	34.78
1893,	2.58	4.85	2.57	4.47	2.92	3.07	2.01	2.43	3.76	3.32	2.51	3.13	37.65
1894,	1.78	3.07	1.45	2.99	9.46	1.63	0.75	2.15	5.11	4.66	3.26	4.03	40.34
1895,	4.52	1.39	2.61	6.14	1.72	3.15	3.23	0.59	0.61	2.97	2.32	1.76	31.01
1896,	1.57	6.87	4.11	1.19	2.27	4.07	3.27	0.46	2.76	2.08	2.50	1.00	32.15
1897,	2.17	2.97	2.03	3.03	4.33	4.53	7.70	3.52	1.10	1.70	4.44	4.52	42.04
1898,	4.10	2.80	3.05	2.93	4.84	1.75	3.63	9.06	1.82	4.85	7.19	3.21	49.23
1899,	4.01	6.20	6.47	1.04	2.30	1.09	4.69	5.18	3.66	1.98	1.93	1.41	39.96
1900,	3.34	3.71	3.13	1.94	4.11	2.82	2.77	3.95	6.31	3.00	3.42	2.41	40.91
1901,	2.47	0.86	3.39	4.77	4.05	1.15	4.88	9.42	3.68	1.51	2.64	6.72	45.54
1902,	2.77	5.49	3.97	3.29	2.01	6.08	3.51	2.34	4.97	6.66	2.04	6.63	49.76
1903,	3.52	4.29	4.38	3.00	0.93	5.48	3.84	5.57	2.31	3.86	1.03	3.29	41.50
1904,	3.14	2.21	3.24	1.89	2.08	2.88	3.82	4.43	7.21	4.03	2.55	2.28	39.76
1905.	3.12	2.56	4.18	3.58	1.41	1.77	3.11	9.57	3.65	4.07	1.61	2.98	41.61
1906,	3.16	2.47	5.59	3.17	4.43	8.04	5.33	9.56	0.36	4.97	1.72	3.07	51.87
1907,	2.65	2.75	2.81	2.88	5.61	4.66	3.90	3.59	5.99	3.38	5.85	4.67	48.74

1908,	3.14	3.21	2.83	2.35	6.85	2.41	4.54	5.41	1.79	1.81	0.67	3.12	38.13
1909,	2.52	4.62	2.92	4.49	2.67	2.26	2.19	1.95	3.55	0.83	3.50	5.86	37.36
1910,	4.23	2.99	0.38	4.76	2.13	5.40	1.84	5.72	3.05	2.90	3.65	2.55	39.60
1911,	3.22	2.69	2.72	3.68	1.68	5.10	4.19	12.10	2.52	4.20	5.58	3.67	51.35
1912,	2.57	3.30	9.10	2.89	5.38	1.91	4.15	1.71	5.62	2.42	3.21	4.74	47.00
1913,	2.99	1.90	4.66	6.87	4.63	2.15	4.29	4.61	4.24	5.66	2.85	2.56	47.41
1914,	3.46	3.32	2.71	3.43	0.90	3.70	7.75	2.31	0.86	1.49	1.79	7.35	39.07
1915,	6.74	5.55	1.00	4.23	4.12	3.45	5.02	6.84	0.46	1.98	1.22	4.22	44.83
Means,	3.31	3.20	3.49	3.37	3.69	3.68	4.06	4.48	3.49	3.23	3.29	3.42	42.71

Note: 1819-24 inclusive, Germantown record; 1825-71 inclusive, Philadelphia Hospital; 1872 to date, U. S. Weather Bureau.

Philadelphia, Philadelphia Co.—(Philadelphia Bureau of Water)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1891,	4.43	5.12	6.27	2.47	1.86	2.79	5.45	4.67	1.19	2.96	1.73	3.87	42.81
1892,	3.80	1.83	4.54	2.61	5.15	2.13	.....	2.97	2.21	0.32	5.95	.....	.....
1893,	.....	4.47	2.02	4.29	2.54	.....	2.15	2.76	3.85	2.71	.....	3.73	.....
1894,	1.79	3.96	1.68	3.05	11.40	.....	2.28	1.94	5.81	4.35	3.35	4.68	.....
1895,	5.55	1.03	3.31	6.25	2.17	3.76	3.21	0.58	0.81	3.46	2.34	1.86	34.33
Means,	.....	3.28	3.56	3.61	4.62	.....	.....	2.58	2.77	2.76	.....	.....	.....

Philadelphia, Philadelphia Co. —(Centennial Avenue)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1891,	5.18	5.32	5.76	2.82	2.01	3.45	5.89	5.30	1.88	3.19	2.36	4.26	47.42
1892,	5.06	1.10	5.35	2.49	5.38	2.01	3.25	3.03	2.47	0.44	6.94	2.21	39.73
1893,	2.90	5.89	2.67	5.50	3.12	3.60	2.96	3.90	3.96	3.56	3.81	3.36	45.23
1894,	1.85	4.33	1.64	3.22	12.07	2.56	0.65	2.57	6.57	5.62	3.33	4.44	48.85
1895,	5.06	1.28	3.24	5.59	2.03	3.46	3.15	0.52	0.53	3.16	2.08	2.05	32.15
1896,	1.70	6.99	4.88	1.21	1.72	5.30	3.21	0.85	4.02	2.77	3.06	0.95	36.66
1897,	2.25	3.64	2.21	3.53	4.96	4.19	10.25	3.27	1.11	2.42	4.84	4.55	47.22
1898,	4.45	3.20	3.42	3.02	5.84	1.96	3.80	8.43	1.98	5.18	7.00	3.98	52.26
1899,	4.13	6.46	7.12	1.43	2.30	1.61	5.16	5.79	3.94	2.06	2.03	1.44	43.47
1900,	3.35	4.44	2.96	2.17	5.10	2.65	4.69	3.79	6.22	3.14	3.30	2.66	44.47
1901,	2.67	1.00	3.41	5.13	4.71	1.85	5.00	10.39	6.30	1.72	2.92	7.07	52.17
1902,	2.95	5.61	4.50	3.53	1.74	6.52	4.35	3.21	5.06	8.11	2.19	8.11	55.88
1903,	4.28	4.58	4.93	4.50	2.08	5.91	5.52	5.40	3.49	7.22	1.20	3.67	52.78
1904,	3.56	2.36	3.78	1.89	3.30	2.99	3.43	6.59	6.98	4.03	2.38	2.43	43.72
1905,	3.63	2.73	4.25	3.89	2.11	1.79	3.39	9.06	4.22	4.12	2.05	4.21	45.45
1906,	3.68	2.86	6.29	3.73	4.47	9.49	7.18	10.80	0.42	5.16	2.06	3.57	59.71
1907,	3.21	2.95	2.82	3.01	6.37	4.82	4.88	3.26	6.79	3.18	5.27	5.26	51.82
1908,	4.17	4.68	3.70	2.83	6.76	2.80	4.04	6.03	1.87	1.93	1.06	3.88	43.75
1909,	2.71	5.43	3.70	4.10	3.01	2.39	2.31	3.02	3.84	0.94	3.23	*5.86	40.54
1910,	4.30	3.19	0.95	6.14	2.81	6.07	1.53	5.62	3.19	3.02	3.28	2.89	42.99
1911,	3.48	3.29	2.76	4.22	1.26	5.76	3.88	12.71	2.65	4.76	6.10	3.79	54.66
1912,	3.58	3.59	10.16	2.70	4.40	1.91	3.69	3.32	5.33	2.75	3.64	5.11	50.18
1913,	3.16	2.40	5.12	7.17	4.77	1.88	3.39	6.28	4.68	5.85	3.20	2.96	50.86
1914,	4.19	3.76	3.29	3.73	1.39	2.58	7.89	2.10	0.66	1.68	2.00	7.74	41.01
1915,	7.08	4.98	1.54	3.01	4.71	3.78	5.98	6.58	0.45	1.82	1.46	4.65	46.04
Means,	3.70	3.84	4.02	3.62	3.94	3.65	4.38	5.27	3.54	3.51	3.23	4.04	46.74

Note: *Weather Bureau Record used for December, 1909.

Philadelphia, Philadelphia Co.—(Frankford Arsenal)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	3.65	1.87	3.69	3.75	4.43	3.00	9.59	5.00	7.40	4.15	8.00	1.70	56.23
1890,	1.45	3.10	4.45	2.20	2.95	2.60	4.60	2.70	1.70	5.38	1.05	1.70	33.88
1891,	4.01	4.89	4.65	2.60	1.65	4.25	5.87	5.75	1.50	2.30	1.60	3.75	42.82
1892,	4.85	0.85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Philadelphia, Philadelphia Co.—(Friends Asylum at Frankford)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1908,	4.41	4.66	3.79	3.00	8.78	2.91	4.81	5.09	2.15	1.83	1.21	4.06	46.70
1909,	3.19	5.49	3.71	4.84	3.21	2.65	2.97	3.04	3.65	0.81	3.42	6.18	43.16
1912,	.....	.....	.....	.....	.....	.....	.....	.....	7.07	3.82	4.38	5.30	.....
1913,	3.16	2.45	5.44	8.08	5.61	1.92	3.29	6.50	5.05	8.49	2.95	.....	.....
1915,	7.24	6.50	1.68	3.81	5.22	4.24	7.60	7.62	0.85	2.63	1.40	4.95	53.74

Philadelphia, Philadelphia Co.—(Navy Yard)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1915,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.35	3.91	.....

Philipsburg, Center Co.—(Elevation 1,350 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1886,	.....	.....	.....	0.76	.....	5.70	1.80	3.09	4.80	1.70	5.70	4.80	.....
1887,	6.50	10.20	4.00	4.80	3.00	5.90	.....	2.63	4.60	0.35	1.36	1.77	.....
1888,	3.52	0.89	2.06	1.31	4.96	1.11	4.13	7.19	3.37	4.46	3.57	2.28	38.85
1889,	2.41	1.87	2.27	6.09	5.28	5.84	5.21	2.40	2.91	3.54	5.22	3.68	46.72
1890,	2.65	5.14	3.83	3.97	7.02	2.73	0.74	4.33	5.19	5.31	1.27	4.17	46.34
Means,	.....	.....	.....	3.39	.....	4.25	.....	3.93	4.17	3.07	3.42	3.34	.....

Phoenixville, Chester Co.—(Elevation 190 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1890,	.....	.....	.....	.....	.....	.....	.....	4.94	3.09	5.12	1.22	2.69	.....
1891,	5.08	4.20	7.42	2.87	2.75	3.19	8.36	8.37	2.67	3.32	1.69	3.82	53.74
1892,	5.91	1.25	5.70	2.22	4.93	3.43	4.39	3.68	2.14	0.35	7.05	2.00	43.05
1893,	2.62	5.54	2.68	5.24	4.64	2.49	2.81	3.61	3.01	3.49	4.74	3.05	43.92
1894,	1.83	3.99	1.76	2.64	10.60	5.31	3.06	1.64	8.31	6.17	3.17	4.17	52.65
1895,	5.47	1.58	3.61	5.19	3.44	5.32	.....	.....	.....	.....	.....	.....	.....
1915,	6.66	5.57	1.20	1.94	4.95	3.25	5.19	8.86	1.82	2.59	1.33	4.57	47.93
Means,	4.59	3.69	3.73	3.35	5.22	3.83	4.76	5.18	3.51	3.51	3.20	3.38	47.95

Pittsburgh, Allegheny Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1836,	.....	.....	.....	.....	.....	.....	.....	3.28	1.55	2.04	1.59	2.18	.....
1837,	2.66	2.27	1.27	1.00	4.64	7.50	1.70	2.52	1.77	3.93	3.71	2.69	35.66
1838,	1.29	1.94	1.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1839,	1.40	1.80	1.76	1.80	2.08	2.25	2.40	1.50	3.75	0.60	2.70	3.28	25.32
1840,	1.33	1.33	3.47	2.18	2.93	3.70	1.57	3.89	2.12	2.68	1.71	1.73	28.64
1841,	2.74	0.07	4.77	3.82	2.40	4.97	1.73	4.01	1.85	2.31	2.77	3.41	34.85
1842,	2.75	2.88	3.75	4.64	2.86	4.96	4.90	3.91	2.20	2.09	1.72	3.79	40.45
1843,	2.70	3.31	3.27	2.33	4.05	3.83	1.87	2.32	6.44	3.46	2.87	2.26	38.71
1844,	2.20	0.93	3.04	1.79	4.89	4.02	2.44	4.47	2.57	2.85	1.85	1.50	32.55
1845,	2.85	1.50	3.04	2.51	1.18	4.04	3.74	3.06	3.39	3.37	2.02	1.19	31.89
1846,	2.92	2.73	2.02	3.76	4.62	4.05	7.15	6.05	1.95	4.78	2.60	5.16	47.79
1847,	3.01	2.86	3.47	2.55	3.64	5.32	4.18	3.26	3.92	4.76	4.27	4.98	46.22
1848,	1.31	0.50	3.20	2.45	5.51	3.03	3.69	2.27	2.08	2.11	3.11	4.88	34.14
1849,	2.43	1.31	3.85	0.83	5.83	2.84	1.26	3.26	1.26	3.86	3.97	4.11	34.81
1850,	3.76	3.45	2.74	2.59	3.30	2.62	2.82	1.27	3.62	4.29	2.19	4.76	37.41
1851,	0.35	3.01	1.43	2.83	3.57	2.04	4.30	2.66	2.62	1.45	3.67	1.71	29.64
1852,	1.80	3.34	2.02	9.27	3.84	2.76	2.55	2.76	3.09	2.24	2.67	5.01	41.36
1853,	1.56	3.53	1.11	4.16	3.27	1.32	2.74	6.56	2.34	2.04	2.90	2.10	33.63
1854,	2.23	2.33	2.82	4.21	2.24	2.06	1.45	1.13	1.76	2.89	1.88	1.67	26.67
1855,	2.15	1.77	3.08	2.60	2.33	7.58	5.57	3.57	4.79	1.54	5.07	3.28	43.33
1856,	2.04	1.80	1.73	2.29	2.52	3.99	2.71	1.60	1.95	2.05	1.97	1.34	26.59
1857,	1.86	1.56	1.03	2.50	6.34	5.14	2.89	4.65	2.20	3.66	3.52	3.61	38.96
1858,	1.15	2.78	0.99	4.29	6.60	4.30	3.60	1.90	1.03	2.40	2.37	4.77	36.18
1859,	0.43	2.67	3.83	4.79	2.00	3.02	1.87	5.00	2.74	3.00	1.69	4.67	35.71
1860,	1.75	1.25	1.19	6.56	3.69	2.17	3.09	3.82	1.81	4.45	3.96	2.04	35.78
1861,	1.96	2.65	1.80	3.48	2.70	1.75	4.69	3.00	5.70	.....	1.81	0.44	.....
1862,	3.60	1.20	2.87	2.79	2.49	4.00	2.60	1.20	1.51	3.45	2.10	1.57	29.38
1863,	3.91	2.33	2.69	2.17	2.11	3.38	1.42	2.26	2.72	3.43	2.45	2.75	31.62
1864,	1.48	1.77	4.82	2.34	4.46	2.10	2.55	8.29	8.25	.....	3.93	2.75	.....
1865,	2.75	1.37	4.83	3.20	5.36	5.48	6.26	5.54	7.56	3.21	1.48	3.46	50.50
1866,	.....	.....	.....	.....	.....	.....	.....	.....	7.50	4.90	4.46	2.75	.....
1867,	2.58	4.11	4.30	2.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
1872,	1.85	1.03	1.38	1.09	2.66	2.69	7.77	2.81	2.57	4.37	0.83	2.86	31.91
1873,	3.16	3.08	3.87	3.06	3.42	2.15	3.44	5.19	1.94	6.21	2.13	3.77	41.42
1874,	2.92	3.15	2.94	7.20	2.43	1.84	7.68	1.98	2.56	0.06	3.36	3.30	39.42
1875,	2.17	1.57	3.45	2.09	2.79	2.85	5.27	2.19	2.56	2.36	2.96	3.79	34.05
1876,	3.59	2.83	3.80	2.04	3.35	1.47	5.86	2.72	7.35	1.14	2.03	0.83	37.01
1877,	2.99	1.43	5.31	2.88	1.66	3.54	3.98	2.10	1.90	2.76	4.48	1.69	34.72
1878,	2.52	1.14	2.42	2.60	1.76	5.18	5.15	1.29	5.55	2.99	4.20	3.96	38.76
1879,	1.54	1.74	2.99	1.63	1.20	4.56	7.78	5.56	1.01	0.65	3.36	5.00	37.02
1880,	3.02	2.63	2.77	2.41	1.25	3.52	2.15	3.62	3.12	2.80	1.73	2.95	31.97
1881,	3.55	3.45	3.35	1.81	2.34	6.95	3.86	0.88	0.76	3.75	2.66	3.94	37.30
1882,	4.58	3.14	3.78	1.39	5.80	4.14	1.99	4.50	4.08	1.74	2.07	1.42	38.63
1883,	3.22	4.92	2.51	3.69	5.38	4.73	5.52	3.40	2.47	2.43	1.50	3.40	43.17
1884,	4.82	4.57	3.71	1.11	3.48	1.71	4.04	2.94	1.17	2.02	1.18	4.07	34.82

Pittsburgh, Allegheny Co.—Continued

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1885,	4.03	1.90	1.14	2.79	3.26	2.68	2.49	5.64	1.69	4.29	2.57	1.64	34.12
1886,	3.21	1.39	2.85	4.03	3.51	5.17	5.56	2.85	2.86	1.06	4.91	1.81	39.21
1887,	1.92	6.52	1.49	4.29	5.78	4.50	9.51	2.16	2.03	0.39	1.37	1.99	41.95
1888,	6.17	1.74	2.51	1.04	4.13	2.22	4.36	7.26	1.77	3.46	3.57	1.66	39.89
1889,	2.50	1.58	2.32	3.62	6.45	4.93	5.48	1.88	2.87	2.06	4.61	3.07	41.37
1890,	4.18	5.52	3.86	4.87	5.85	3.37	2.22	4.06	4.24	5.66	1.14	5.64	50.61
1891,	2.43	6.09	3.11	1.18	3.23	3.90	7.65	1.60	1.90	1.53	2.61	3.05	38.28
1892,	3.29	1.85	2.29	2.93	3.77	4.15	5.88	2.22	2.04	0.51	1.81	1.92	32.66
1893,	2.36	4.74	1.17	4.94	4.50	2.87	5.08	2.94	1.86	3.22	1.46	2.70	37.84
1894,	2.02	2.98	2.41	3.63	4.63	0.61	1.16	0.43	3.68	1.72	1.80	3.10	28.17
1895,	4.16	0.77	1.73	1.83	1.97	2.26	2.11	4.29	1.83	1.11	2.24	3.20	27.50
1896,	1.63	2.89	4.13	3.39	3.91	4.79	8.96	4.09	4.17	2.26	2.76	1.37	44.35
1897,	1.34	4.30	3.50	3.34	2.70	2.97	4.52	2.08	1.65	0.13	5.11	3.44	35.08
1898,	3.40	1.60	5.45	1.60	3.99	3.98	2.56	4.01	1.06	3.85	2.34	1.92	35.76
1899,	3.41	2.68	3.37	2.59	3.26	3.72	3.13	2.57	2.66	2.10	2.12	2.24	33.85
1900,	1.54	2.86	2.35	1.25	1.34	3.25	3.42	0.84	1.01	2.24	3.64	1.99	25.73
1901,	1.98	0.91	3.69	8.11	5.80	4.41	2.84	4.04	1.96	0.38	1.80	4.84	40.76
1902,	1.49	1.45	4.15	2.70	2.30	5.79	2.94	1.61	2.21	2.79	1.08	3.71	32.22
1903,	2.33	3.99	4.29	2.82	1.67	5.27	5.66	4.71	1.04	2.88	2.60	1.55	38.81
1904,	2.31	2.00	5.11	3.02	3.48	5.76	2.72	2.36	2.35	2.09	0.22	2.34	33.76
1905,	2.36	1.41	3.03	2.07	2.79	6.64	3.01	3.11	2.41	3.54	1.80	3.02	35.19
1906,	1.84	1.09	3.85	1.70	2.08	4.08	4.18	2.96	3.10	2.94	0.95	2.52	31.29
1907,	5.58	0.74	5.24	1.99	1.79	3.17	4.95	1.89	3.25	1.64	1.59	3.03	34.86
1908,	1.65	2.89	5.22	3.59	3.84	1.14	5.07	2.48	0.71	0.95	0.69	1.94	30.17
1909,	3.10	4.47	3.14	5.23	1.51	4.92	1.22	3.33	0.76	2.36	0.84	2.30	33.18
1910,	5.33	3.60	0.37	2.21	3.24	1.94	1.26	2.47	5.50	1.69	1.32	2.87	31.80
1911,	3.36	1.98	1.90	5.42	0.42	2.63	2.17	6.30	6.36	4.94	2.02	3.79	41.29
1912,	1.90	1.80	4.83	4.32	1.56	5.67	6.61	2.39	2.89	2.67	0.80	2.86	38.30
1913,	5.28	2.11	4.37	2.53	3.11	1.04	4.86	2.81	2.86	4.26	2.66	2.60	38.49
1914,	2.41	3.13	2.12	3.98	2.64	3.31	1.89	4.52	0.69	3.07	1.35	4.37	33.48
1915,	4.66	2.24	1.26	1.27	3.84	5.36	3.37	2.73	1.71	2.84	2.37	3.85	35.50
Means,	2.68	2.46	2.98	3.07	3.35	3.70	3.88	3.22	2.81	2.66	2.45	2.93	36.19

Note: 1836-67 records obtained at Allegheny Arsenal.

Pittsburgh, Allegheny Co.—(Allegheny Arsenal)—(Elevation 704 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	2.96	1.50	2.40	2.92	6.50	5.70	5.52	1.90	2.79	2.07	4.40	2.99	41.65
1890,	4.21	5.66	4.01	4.94	5.10	3.86	2.85	4.71	4.96	6.32	1.42	4.98	53.02
1891,	2.55	5.60	3.59	1.41	3.40	3.84	7.30	1.92	2.39	1.67	2.60	3.05	39.32
1892,	3.64	2.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Pleasant Mount, Wayne Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	.....	2.60	5.25	6.90	7.15	7.59	3.90	3.40	4.50	6.05	3.12	.....
1890,	4.70	4.20	4.88	2.70	.....	5.20	4.85	.....	4.60	6.95	1.70	.....	.....
1891,	*4.80	4.60	5.42	3.47	2.45	2.10	4.30	4.30	2.55	3.45	3.11	4.85	45.40
1892,	6.74	2.15	5.20	1.85	7.30	.....	.....	.....	.....	.....	.....	.....	.....

Note: *Interpolated.

Plymouth Meeting, Montgomery Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1868,	.....	1.46	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.19	.....
1869,	3.68	4.34	4.62	1.17	4.22	4.37	2.33	1.33	3.82	7.70	4.06	5.55	47.19
1870,	3.89	2.89	4.64	5.79	6.66	3.40	5.21	5.06	2.19	6.02	2.27	1.49	49.51
1871,	4.04	2.82	4.40	0.99	3.15	8.06	4.51	4.49	1.06	3.36	3.27	0.90	41.20
1872,	0.90	0.74	3.50	1.81	2.12	.....	.....	.....	.....	.....	.....	.....	.....
Means,	3.13	2.45	4.29	2.44	4.04	5.28	4.02	3.79	2.36	5.69	3.20	2.28	42.97

Pocono Lake, Monroe Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1901,	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.35	1.69	7.04	.....
1902,	2.07	4.91	5.63	4.06	0.82	6.25	6.84	3.41	11.95	5.69	0.70	2.66	54.99
1903,	1.83	3.97	5.58	.....	0.82	7.03	5.90	6.53	2.97	8.03	1.85	3.83	.....
1904,	3.44	2.16	4.64	2.74	3.72	6.31	3.22	3.58	4.79	3.66	1.48	2.39	42.13
1905,	4.08	0.85	2.48	1.51	1.87	2.55	4.79	6.75	5.75	4.77	2.25	3.47	41.12
1906,	1.79	3.68	5.43	4.26	4.56	6.49	4.38	4.24	2.30	7.47	1.82	3.40	49.82
1907,	3.21	1.68	1.08	1.20	2.09	5.69	2.24	2.55	7.54	4.35	5.29	6.39	43.31
1908,	2.22	4.71	3.32	4.40	6.01	1.50	2.98	2.93	3.86	5.48	0.50	1.26	39.17
1909,	1.58	6.00	3.60	6.47	2.63	5.41	3.23	1.61	3.95	1.98	1.54	3.67	41.67
1910,	7.10	1.41	1.21	5.69	5.68	3.73	1.30	3.08	4.76	2.01	3.56	3.97	43.50
1911,	2.90	1.50	2.03	3.91	2.59	5.69	7.41	6.51	3.25	4.26	2.48	2.08	44.61
1912,	1.88	2.46	4.15	5.47	3.51	1.38	1.50	6.73	6.20	4.48	1.02	6.48	45.26
1913,	3.97	1.74	5.99	6.86	3.52	.....	.....	.....	.....	.....	4.20	.....	.....
1914,	.....	.....	.....	.....	.....	1.52	5.52	0.64	.....	.....	.....	.....	.....
1915,	.....	.....	.....	1.69	4.24	1.51	3.98	9.48	2.96	5.33	2.36	1.36	.....
Means,	3.01	2.92	3.76	4.02	3.24	4.24	4.10	4.46	5.02	4.68	2.20	3.69	45.34

Note: Nov. 1913 to Aug. 1914, station located at Pocono Pines; from April 1915, station located at Mt. Pocono.

Pocopson, Chester Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1854,	3.00	8.66	1.43	6.97	4.30	3.39	3.50	1.54	3.97	1.87	3.57	3.70	45.90
1855,	2.82	3.39	1.81	2.06	3.72	8.11	3.26	4.13	7.08	4.68	2.24	6.26	49.56
1856,	3.91	1.28	2.02	3.71	3.94	1.18	1.71	5.10	3.83	0.91	2.37	4.39	34.35
1857,	3.87	0.94	2.18	5.28	6.56	5.75	2.51	7.17	1.28	4.14	1.42	5.62	46.72
1858,	2.20	2.72	1.07	3.68	8.64	5.36	2.27	5.73	1.23	1.63	5.11	4.67	44.31
1859,	5.09	2.94	5.64	5.23	1.58	4.43	3.20	3.93	8.62	2.64	4.09	3.27	50.66
1860,	.....	.....	1.39	4.43	5.96	2.75	1.17	8.96	4.30	6.33	7.14	4.47	.....
1861,	4.65	2.41	3.00	3.93	5.91	3.00	2.93	3.19	2.88	3.19	4.80	1.87	41.76
1862,	4.32	4.32	4.01	3.87	1.21	7.65	3.28	1.89	3.39	3.16	4.40	1.23	42.73
1863,	4.00	4.86	6.35	5.75	4.51	1.70	8.95	1.58	1.78	3.61	2.80	5.25	51.14
1864,	2.06	0.45	5.00	5.26	7.30	3.37	3.67	2.66	5.15	2.25	3.89	4.05	45.11
1865,	3.42	4.44	5.12	2.58	5.99	7.14	3.49	1.82	3.63	3.84	2.35	4.78	48.60
1866,	2.09	6.14	1.55	2.39	4.32	3.94	1.44	3.19	7.45	2.80	2.25	2.91	40.47
1867,	1.32	3.50	5.00	2.33	8.42	8.65	3.65	9.48	1.59	2.70	1.67	2.81	51.12
1868,	2.86	2.11	3.20	4.20	4.82	4.68	5.70	4.67	9.40	1.56	4.56	2.42	50.18
1869,	3.10	4.35	4.35	2.41	3.97	3.86	1.51	0.82	5.19	5.78	4.95	4.30	44.59
1870,	4.00	3.55	2.91	6.27	3.90	5.60	3.35	8.15	2.12	4.78	1.42	2.00	48.05
1871,	3.25	3.22	5.42	1.84	2.50	5.00	6.92	5.00	1.99	3.80	4.19	1.85	44.98
1872,	1.41	1.06	3.46	2.13	2.32	8.03	3.60	7.21	4.46	3.17	3.77	3.55	44.17
1873,	5.18	4.06	2.36	5.21	5.18	0.75	4.50	8.56	5.73	6.40	3.80	1.21	52.94
Means,	3.29	3.39	3.36	3.98	4.75	4.72	3.53	4.74	4.25	3.46	3.54	3.53	46.54

Also called "Parkersville" 1854-59.

Point Pleasant, Bucks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	4.64	2.20	3.45	5.11	5.59	5.32	12.30	3.75	8.14	5.06	8.63	1.69	65.88
1890,	2.44	4.73	6.37	1.84	5.57	3.58	5.38	6.01	2.44	5.76	0.95	3.20	48.27
1891,	6.53	4.67	5.08	1.70	2.94	3.51	6.94	9.56	1.31	4.32	1.95	4.86	53.37
1892,	6.31	1.29	3.83	2.13	5.88	3.06	3.96	3.50	2.80	1.00	6.85	1.87	42.48
1893,	2.80	6.06	1.84	4.80	5.04	4.99	2.32	9.71	3.01	4.08	4.40	3.20	52.35
1894,	1.84	4.63	1.39	3.74	13.09	2.79	2.12	1.30	10.67	4.75	2.88	4.14	53.34
1895,	4.63	0.73	3.42	5.99	2.78	5.41	2.36	6.67	0.55	3.95	1.93	1.76	40.18
1896,	1.32	8.75	6.55	1.39	2.81	5.34	7.12	3.20	3.24	2.25	3.37	1.25	46.59
1897,	1.82	3.06	2.08	2.91	9.98	5.04	8.76	2.93	1.24	1.79	4.70	4.57	48.88
1898,	4.15	3.34	2.46	3.11	10.15	0.79	6.29	6.07	1.28	4.87	6.47	3.42	52.40
1899,	*3.00	4.99	6.93	*1.87	1.55	2.11	*3.07	5.91	*5.77	*1.37	2.52	*2.13	*41.22
1900,	*4.15	*4.70	*3.20	*2.10	*6.04	*3.65	*6.11	*3.29	*2.86	*2.95	*3.06	*2.26	*44.37
1901,	2.55	0.78	4.35	5.87	5.59	0.88	3.00	8.31	1.77	1.16	2.04	7.34	43.64
1902,	2.85	6.32	3.28	3.50	1.72	5.07	4.46	3.21	7.17	5.88	1.66	7.03	52.15
1903,	4.11	5.03	4.55	4.59	0.34	8.00	7.02	5.07	2.68	9.70	1.37	4.46	56.92
1904,	4.19	2.21	3.68	2.96	3.38	3.50	4.19	7.48	6.11	4.67	2.25	2.47	47.09
1905,	3.94	2.32	3.75	3.23	0.56	2.64	3.55	9.81	3.96	3.56	2.67	3.13	43.12
1906,	2.96	2.46	5.23	3.42	4.94	4.79	3.92	2.93	1.12	5.36	1.43	4.49	43.05
1907,	3.67	2.56	3.05	2.89	3.25	4.72	2.79	3.98	11.32	5.64	5.15	4.60	53.62
1908,	3.35	4.31	3.53	2.46	7.83	2.65	4.27	5.46	2.70	3.56	0.85	3.07	44.04
1909,	3.16	4.99	3.37	5.52	2.99	3.04	2.15	3.41	2.56	1.05	3.29	5.08	40.61
1910,	5.15	3.64	1.09	6.61	3.04	3.77	0.40	4.72	4.30	2.47	3.86	2.33	41.38
1911,	3.50	2.45	3.13	3.93	2.65	3.15	4.45	9.63	2.60	5.71	4.61	3.71	49.52
1912,	2.06	2.29	7.93	3.64	3.07	2.26	4.31	4.89	5.02	5.07	3.83	5.07	49.44
1913,	3.34	2.35	5.16	6.20	2.86	1.39	2.78	4.55	6.65	7.72	3.77	2.77	49.54
Means,	3.54	3.63	3.95	3.66	4.55	3.66	4.56	5.41	4.05	4.15	3.38	3.60	48.14

Note: *Interpolated.

Pottstown, Montgomery Co.—(Elevation 140 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1876,	1.80	3.60	7.70	3.20	3.20	2.80	7.10	2.00	9.00	2.00	4.50	0.40	47.30
1877,	1.10	1.80	5.60	3.00	1.26	7.00	6.75	3.09	3.67	7.60	4.94	1.20	47.01
1878,	3.19	3.08	3.25	4.42	4.65	4.20	6.60	2.70	1.67	2.86	3.50	5.30	45.42
1879,	1.60	1.05	2.38	4.50	2.35	6.40	4.67	8.32	1.30	0.58	1.50	5.72	40.37
1880,	2.43	1.55	4.45	2.83	0.85	3.02	10.55	2.35	2.86	2.47	2.48	1.97	37.81
1881,	3.73	4.05	5.72	0.94	3.41	7.48	1.83	0.83	1.10	2.33	2.80	4.13	39.35
1882,	2.69	3.93	2.90	2.44	7.66	5.00	2.33	4.51	6.64	2.17	0.46	1.81	42.34
1883,	2.82	3.32	1.33	3.45	2.80	5.65	4.29	4.89	4.80	4.64	1.88	1.15	40.97
1884,	4.67	4.42	4.55	2.76	4.00	6.53	7.08	1.83	0.60	3.64	3.77	5.18	49.04
1885,	3.19	3.20	0.50	2.63	5.11	1.55	2.03	5.92	1.07	4.62	4.21	3.40	37.43
1886,	3.17	4.25	4.30	3.45	6.75	4.83	6.76	1.13	1.51	2.40	5.12	3.13	46.80
1887,	2.69	4.33	2.44	2.30	2.55	4.58	9.00	2.45	4.77	1.40	1.48	6.50	44.49
1888,	4.31	4.08	5.35	2.87	4.25	1.55	3.31	6.13	7.32	2.82	3.42	4.80	50.21
1889,	4.12	1.92	3.73	6.15	7.47	6.20	12.50	5.05	8.44	4.56	9.15	2.03	71.32
1890,	2.35	4.81	8.05	1.97	7.61	2.11	5.45	3.80	4.01	6.10	1.00	2.86	50.12
1891,	7.00	4.05	6.60	1.80	2.28	4.20	8.91	7.01	2.63	3.95	1.58	4.08	54.09
1892,	6.46	2.22	3.73	1.80	7.59	3.29	3.66	3.49	2.33	0.32	6.60	1.94	43.43
1893,	3.21	6.40	2.82	6.20	4.80	3.64	1.99	4.52	3.69	3.13	4.78	2.81	47.99
1894,	2.14	4.25	1.74	3.20	12.26	1.74	5.96	2.01	7.94	5.20	2.80	5.32	54.56
1895,	5.65	1.48	3.57	5.13	3.89	3.46	2.53	4.42	1.01	3.64	2.20	3.20	40.18
1896,	1.97	7.08	5.39	1.83	3.07	3.01	6.30	0.55	6.33	3.95	4.28	0.63	44.39
1897,	2.90	5.07	2.53	3.80	7.27	4.90	6.27	2.64	1.54	2.38	6.48	5.00	50.78
1898,	5.95	3.55	3.07	3.86	5.95	1.66	2.13	6.84	1.85	5.57	.....	.....	.....
1901,	2.70	0.50	5.19	4.84	5.05	2.52	3.81	5.64	2.16	2.20	1.85	8.15	44.61
1902,	3.71	6.00	3.52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914,	.....	.....	.....	3.40	0.97	2.76	7.74	3.20	0.31	1.46	2.01	6.29	.....
1915,	6.50	5.84	1.49	1.68	3.59	2.37	5.18	10.47	1.36	1.91	1.47	4.71	46.57
Means,	3.54	3.69	3.92	3.25	4.64	3.94	5.57	4.07	3.46	3.23	3.37	3.70	46.38

Pottsville, Schuylkill Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1883,	4.80	3.66	3.62	3.17	4.46	8.41	3.13	1.77	4.40	5.51	1.70	2.98	47.61
1884,	4.21	6.00	6.36	2.72	3.39	2.92	5.38	2.81	1.62	3.73	3.30	6.08	48.52
1885,	6.00	3.56	0.94	2.48	3.59	0.20	1.45	10.81	0.90	7.05	4.43	3.78	45.19
1886,	7.17	3.21	4.76	3.01	6.80	3.50	5.82	2.27	2.15	3.24	6.30	2.43	50.66
1887,	3.82	5.31	1.34	2.60	3.32	4.04	5.69	6.18	2.95	1.05	1.75	5.56	43.61
1888,	5.72	4.63	5.35	3.26	6.04	7.04	2.98	8.97	7.40	3.65	4.79	4.28	64.11
1889,	4.72	2.03	2.64	5.66	5.55	5.60	9.27	6.06	4.58	4.85	9.29	2.90	63.15
1890,	2.25	5.05	5.36	2.96	8.35	2.23	6.36	8.35	4.54	5.85	1.28	3.30	55.88
1891,	6.70	3.60	4.80	2.41	2.07	3.67	6.95	7.88	1.90	2.94	3.31	4.65	50.88
1892,	6.03	0.32	4.90	1.48	5.58	5.24	2.53	4.54	3.64	0.43	5.11	1.58	41.38
1893,	3.66	6.24	3.30	4.14	7.23	2.16	2.66	4.42	4.69	4.42	3.31	2.27	48.50
1894,	2.15	3.37	1.82	3.94	14.15	5.21	4.29	2.67	5.22	6.21	3.61	3.60	56.24
1895,	4.84	0.78	2.32	4.61	3.34	2.93	1.02	5.28	1.66	3.06	2.73	4.87	37.44
1896,	1.43	6.50	5.26	1.01	4.08	3.45	10.82	3.02	5.21	5.22	7.34	0.93	54.27
1897,	2.45	3.13	2.63	3.36	8.01	2.62	7.43	2.93	1.76	1.61	7.20	4.16	47.29
1898,	4.59	1.32	3.88	3.07	5.48	3.09	6.28	10.55	0.81	7.42	4.83	3.61	54.93
1899,	2.41	3.63	5.32	1.96	4.23	5.36	2.91	4.90	5.75	0.87	2.33	3.23	42.90
1900,	3.28	5.63	4.86	1.37	2.17	1.76	6.23	4.46	1.65	2.10	2.99	2.46	38.96
1901,	1.75	0.85	5.52	4.30	6.63	2.13	2.49	10.68	3.57	1.94	1.77	9.73	51.36
1902,	4.41	5.64	5.49	4.36	0.87	7.12	6.43	5.05	6.34	6.04	1.61	7.80	61.16
1903,	4.04	5.55	5.81	4.77	0.46	7.23	8.81	5.16	2.76	4.85	1.21	3.54	54.19
1904,	3.86	2.20	4.83	2.92	3.16	4.67	5.27	5.25	4.46	3.45	1.87	2.49	44.43
1905,	5.21	1.87	4.98	2.14	1.50	2.66	3.98	9.21	4.96	6.05	2.73	4.02	49.31
1906,	2.50	2.73	5.89	5.24	4.17	6.05	2.66	3.67	4.37	6.66	1.08	5.08	50.10
1907,	3.55	1.86	3.93	2.33	2.15	5.20	2.81	4.13	7.79	4.34	3.55	7.17	48.81
1908,	2.53	7.10	4.17	3.48	5.97	1.21	5.13	2.68	3.38	3.04	0.66	3.17	42.52
1909,	3.18	5.03	3.20	5.33	3.28	3.87	2.43	0.34	2.88	3.48	1.36	4.32	38.70
1910,	5.91	4.19	0.49	8.13	6.83	5.74	2.26	3.10	4.43	2.43	2.90	3.32	49.73
1911,	3.28	1.99	3.41	4.43	2.95	2.92	4.84	8.60	4.09	7.50	4.06	3.69	51.76
1912,	1.88	2.73	6.46	5.89	2.53	2.95	5.70	4.23	7.83	3.05	2.80	4.80	50.85
1913,	4.36	1.95	7.91	6.67	3.33	1.78	5.34	3.27	4.71	6.63	3.27	3.60	52.82
1914,	3.60	2.36	2.69	4.74	3.22	3.99	7.15	4.07	1.30	2.30	2.23	5.49	43.14
1915,	7.69	6.29	1.47	2.26	3.43	2.15	8.93	10.48	2.31	2.50	2.68	4.78	54.97
Means,	4.06	3.65	4.11	3.64	4.49	4.22	5.01	5.39	3.82	4.04	3.31	4.11	49.85

Promised Land, Pike Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.09	3.88	.....	.....
1914,	*2.11	1.29	2.42	3.60	3.19	3.93	4.22	3.04	0.74	1.60	1.80	4.35	32.29
1915,	*5.40	5.55	0.45	2.54	3.30	1.90	5.76	7.79	3.07	2.07	2.59	4.16	44.58

Notes: *Mean of Wilsonville, Paupack, Salem (Hamlinton) and South Sterling. This record furnished by L. B. Stillwell, Consulting Engineers, New York City.

Punxsutawney, Jefferson Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	5.71	1.76	3.57	4.81	3.44	2.75	.....
1914,	4.62	4.37	4.51	4.03	3.82	6.08	2.53	.....	2.53	.....	1.42	5.09	.....
1915,	7.49	3.00	2.80	1.23	4.68	.....	.....	.....	.....	.....	.....	.....	.....

Quakertown, Bucks Co.—(Elevation 536 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1872,	1.69	0.92	2.13	4.01	2.74	2.76	5.22	7.51	3.13	4.01	4.20	0.87	39.19
1873,	4.00	3.91	3.38	3.14	5.63	1.56	3.47	3.30	3.82	6.13	1.94	1.00	41.28
1874,	3.57	1.88	0.63	7.56	1.06	.....	4.32	3.51	3.44	3.40	0.55	0.26	.....
1875,	0.50	4.44	3.25	1.50	1.84	1.87	2.25	1.69	0.90	2.90	4.20	2.39	27.73
1876,	1.20	4.05	4.50	1.60	2.80	1.01	2.40	0.45	6.90	1.19	3.33	2.50	31.93
1880,	.....	.....	.....	.....	1.00	1.66	7.04	1.50	2.54	1.82	2.30	3.01	.....
1881,	3.40	4.01	4.46	0.69	5.12	4.10	0.73	0.27	0.89	1.57	2.15	4.71	32.10
1882,	2.95	4.18	4.47	2.20	7.30	3.00	1.95	3.95	7.25	1.85	0.65	1.20	40.95
1883,	3.40	3.20	1.69	2.65	2.09	6.98	1.05	2.25	3.72	4.10	1.47	2.15	34.75
1884,	2.96	4.74	4.99	2.70	3.53	6.54	7.92	3.76	0.53	4.38	3.53	6.46	52.04
1885,	4.52	4.38	1.21	2.79	2.32	0.81	1.26	8.34	0.52	4.29	4.23	3.15	37.82
1886,	3.68	5.74	4.46	2.64	6.66	5.06	4.86	0.68	1.17	2.65	4.89	2.43	44.92
1887,	3.88	4.05	2.08	1.79	2.99	4.56	9.25	4.75	3.52	1.70	1.56	6.05	46.18
1888,	4.45	4.26	4.94	4.23	3.02	1.85	3.44	8.58	9.36	3.72	3.71	4.75	56.31
1889,	4.58	2.38	3.47	4.83	5.45	7.31	11.54	4.76	8.06	5.23	8.88	2.43	68.92
1890,	3.19	5.18	8.31	3.22	6.55	3.13	5.50	5.86	4.82	7.25	1.24	3.21	57.46
1891,	6.26	5.13	5.59	2.74	2.56	4.71	7.29	8.02	1.17	2.96	2.31	4.47	53.21
1892,	5.41	1.35	5.30	1.86	5.08	3.60	4.50	5.77	2.97	0.63	7.08	1.95	45.50
1893,	3.65	6.93	3.11	5.15	5.41	2.21	2.25	8.90	3.67	3.42	4.44	3.49	52.63
1894,	1.87	4.16	1.68	2.27	15.02	3.22	1.97	3.09	7.22	5.80	3.52	5.33	55.15
1895,	3.73	1.47	2.70	5.41	3.60	3.47	4.63	2.13	0.87	3.38	2.60	3.19	37.18
1896,	1.30	7.44	4.67	1.61	2.91	3.03	8.20	0.67	7.11	3.50	4.51	0.79	45.74
1897,	3.01	3.84	2.71	3.32	7.77	3.81	8.06	3.43	1.50	2.29	5.58	4.70	50.02
1898,	4.20	3.71	3.19	3.66	6.26	0.89	3.45	5.38	2.70	5.20	7.34	4.47	50.45
1899,	3.74	4.27	7.14	2.05	3.04	3.96	4.23	5.76	8.16	1.17	2.93	2.61	49.06
1900,	3.68	5.85	2.88	2.07	3.45	2.65	6.64	3.93	1.65	3.02	2.56	2.64	41.02
1901,	2.57	0.99	5.11	5.54	4.86	2.48	2.22	6.24	3.07	1.73	1.97	8.08	44.86
1902,	3.26	5.05	4.90	4.31	1.55	5.15	3.99	3.32	7.90	5.68	1.70	8.06	54.87
1903,	4.55	5.08	4.02	4.57	0.69	9.23	5.67	4.61	1.34	7.82	1.38	3.12	52.08
1904,	3.36	2.40	3.02	2.45	3.53	5.33	5.68	7.67	6.46	3.82	1.57	3.16	48.45
1905,	5.42	1.19	3.72	2.31	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914,	.....	.....	.....	.....	1.66	3.85	4.81	3.04	0.90	1.59	1.96	5.22	.....
1915,	5.22	4.64	1.79	3.61	3.48	2.56	6.13	.....	2.09	2.10	1.90	2.96	.....
Means,	3.52	3.90	3.73	3.18	4.09	3.62	4.75	4.29	3.73	3.45	3.19	3.46	44.91

Reading, Berks Co.—(Elevation 269 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1839,	.....	.....	.....	3.20	4.57	1.99	5.00	2.95	3.22	1.25	2.19	.....	.....
1840,	.....	.....	.....	.....	.....	4.29	2.63	3.38	1.49	3.68	2.10	3.84	.....
1869,	.....	.....	.....	.....	.....	.....	2.20	1.02	4.83	9.49	2.82	5.44	.....
1870,	3.97	5.88	4.61	6.46	3.91	5.69	3.74	5.58	2.38	3.00	2.09	2.39	49.70
1871,	2.79	5.83	6.30	1.90	4.10	6.24	5.13	5.12	2.34	1.62	3.94	0.98	46.29
1872,	1.09	1.29	2.99	3.66	2.86	3.45	4.93	6.30	3.78	3.07	4.15	3.31	40.88
1873,	4.03	5.23	2.29	5.12	5.58	0.61	8.32	6.85	6.65	7.00	5.09	1.76	58.53
1874,	3.39	3.40	1.80	6.42	2.51	0.87	6.39	2.56	3.52	1.35	1.89	2.79	36.89
1875,	2.61	3.46	3.29	1.50	1.65	3.85	3.22	8.45	1.55	5.07	.....	.....	.....
1877,	.....	.....	.....	.....	.....	.....	.....	.....	4.34	7.16	5.77	1.46	.....
1878,	5.01	2.43	3.44	2.75	3.48	2.73	1.63	1.84	3.18	3.74	2.63	4.37	37.23
1879,	2.41	2.21	2.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880,	1.82	1.97	3.97	2.96	0.66	2.58	4.71	2.52	2.36	1.88	2.78	3.25	31.46
1881,	3.78	4.37	6.14	0.99	3.69	7.08	1.36	1.02	1.66	2.40	2.56	5.34	40.39
1882,	5.09	4.36	4.04	1.90	6.68	2.43	2.14	3.33	4.65	2.36	0.95	1.96	39.89
1883,	4.42	4.23	3.09	3.05	1.81	6.05	3.83	2.99	3.80	4.20	0.81	2.73	41.01
1884,	5.25	5.52	5.44	3.30	3.96	3.75	6.22	2.77	0.68	2.77	2.79	6.22	48.67
1885,	4.41	3.66	1.08	2.73	3.15	1.30	2.03	7.09	0.50	5.47	4.50	3.21	39.13
1886,	4.10	4.10	4.63	1.97	6.26	3.57	4.33	0.28	1.00	2.31	4.46	3.47	40.48
1887,	4.24	5.25	2.05	2.15	2.75	4.24	7.90	2.47	3.78	1.69	1.31	5.12	42.95
1888,	4.66	3.50	5.19	3.62	3.83	3.33	2.50	6.65	7.57	3.77	4.06	3.44	52.12
1889,	3.74	1.62	3.71	6.33	3.60	8.21	9.30	4.46	7.08	5.74	8.88	2.35	65.02
1890,	3.18	4.15	4.88	2.62	6.50	3.36	4.54	4.51	3.98	5.31	0.88	2.47	46.38
1891,	5.15	3.51	5.35	1.71	2.21	2.37	7.35	11.76	1.57	2.99	1.38	3.61	48.96
1892,	5.94	0.54	4.93	1.32	4.00	2.07	3.37	4.57	2.54	6.20	5.41	1.46	36.35
1893,	2.15	5.49	2.70	2.95	4.44	2.40	2.91	3.25	3.83	3.18	3.39	1.99	38.68
1894,	1.61	5.59	1.32	3.40	13.34	0.91	2.39	2.84	7.48	6.40	2.49	4.00	51.77
1895,	3.90	1.16	2.19	4.28	2.41	3.25	4.40	3.44	0.37	3.15	1.20	3.59	33.34
1896,	1.08	4.88	4.85	1.10	4.00	2.85	3.92	0.48	3.66	2.81	3.45	0.40	33.48
1897,	1.69	2.94	2.02	3.89	9.70	3.03	5.77	2.54	1.54	5.93	5.43	4.00	48.48
1898,	4.03	2.15	2.12	3.73	5.45	0.56	1.80	7.89	1.08	3.75	5.64	3.36	41.56
1899,	3.41	3.85	5.67	1.40	2.74	3.79	2.94	4.62	4.79	1.30	2.76	2.17	39.44
1900,	2.62	5.38	2.68	1.56	3.86	2.61	5.11	3.01	1.27	0.88	1.86	2.45	33.29
1901,	2.40	0.67	3.92	5.01	3.38	3.12	3.56	5.92	3.67	1.50	1.79	5.97	40.91
1902,	3.45	6.72	3.00	3.96	1.09	5.29	3.52	4.31	6.87	4.50	1.76	7.10	51.57
1903,	4.60	5.59	4.42	4.62	0.70	6.20	5.12	7.01	2.84	4.44	1.59	3.94	51.07
1904,	3.71	2.22	3.15	2.46	5.80	5.02	3.86	7.51	2.46	3.67	1.86	2.30	44.02
1905,	4.80	1.52	3.89	2.85	1.96	2.02	3.21	7.81	2.71	4.76	2.76	2.65	40.94
1906,	3.72	2.69	4.01	4.30	4.64	6.61	1.87	3.41	2.84	5.92	1.17	5.24	46.42
1907,	3.62	1.96	3.89	2.31	1.95	4.81	4.17	3.39	8.58	3.40	5.03	5.00	48.11
1908,	2.77	5.32	3.59	2.56	6.55	1.44	6.62	2.13	1.82	1.88	0.84	2.74	38.24
1909,	2.99	5.53	3.66	4.18	3.62	3.23	1.22	0.33	3.08	2.59	1.58	5.32	37.33
1910,	4.03	4.83	0.89	5.38	2.65	4.26	3.94	2.90	2.37	1.90	2.61	2.22	37.98
1911,	3.57	2.47	3.44	3.77	3.54	5.64	4.27	7.58	2.55	3.70	3.58	3.10	47.21

Reading, Berks Co.—(Elevation 269 feet)—Continued

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	1.53	2.54	6.24	3.39	2.39	2.01	8.34	4.33	6.02	3.31	2.80	4.56	47.46
1913,	3.81	2.07	7.19	5.86	2.85	1.21	2.35	2.79	5.37	6.79	2.20	3.44	45.93
1914,	3.89	3.27	1.76	3.85	1.20	2.51	4.21	3.13	0.43	1.40	2.14	5.52	33.31
1915,	6.51	5.55	1.42	2.61	3.46	2.84	4.56	8.44	2.26	3.18	2.13	4.37	47.33
Means,	3.57	3.66	3.62	3.30	3.85	3.45	4.36	4.30	3.32	3.57	2.90	3.47	43.37

Reedsville, Mifflin Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1897,	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.13	2.37	1.28	.....
1898,	1.32	.....	2.45	.....	.....	.....	1.13	9.98	.....	.....	2.11	.....	.....
1899,	.....	4.03	5.87	.....	.....	.....	.....	2.09	.....	.....	.....	.....	.....

Renovo, Clinton Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	.....	.....	.....	.....	.....	.....	.....	4.12	5.49	4.15	2.34	0.86	.....
1897,	2.01	2.41	3.03	2.64	4.41	2.59	4.80	3.79	3.69	1.00	4.82	3.54	38.73
1898,	3.80	1.71	5.53	3.25	3.18	4.36	4.43	5.21	0.59	5.68	2.53	2.97	43.24
1899,	2.65	2.85	3.97	2.08	3.43	2.85	3.13	1.40	4.61	1.23	3.93	3.60	35.73
1900,	2.62	3.18	4.80	0.80	2.67	3.91	1.81	4.68	1.34	3.88	5.73	1.57	36.99
1901,	1.37	0.91	3.22	5.71	5.58	5.77	2.75	7.99	3.21	0.75	2.62	4.99	44.87
1902,	.....	.....	.....	2.61	1.47	.....	7.79	1.41	3.48	2.77	0.79	3:75	.....
1903,	3.02	3.89	4.59	3.05	.....	.....	4.48	5.41	2.01	.....	3.74	1.97	.....
Means,	2.58	2.49	4.19	2.88	3.46	3.90	4.17	4.25	3.05	2.78	3.31	2.91	39.97

Renovo, Clinton Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	2.12	3.36	2.87	1.25	2.31	7.32	5.17	4.47	5.59	4.21	2.49	0.74	41.90
1897,	1.75	2.31	2.90	2.86	4.64	2.79	5.73	4.28	3.96	1.09	4.95	3.01	40.27
1898,	3.22	1.41	5.49	3.04	3.12	4.76	4.39	5.95	0.48	6.02	3.18	2.73	43.79
1899,	1.92	2.08	2.80	1.60	3.47	2.87	3.11	1.45	4.00	0.54	3.67	3.33	30.84
1900,	2.61	3.52	3.95	0.82	2.66	3.23	1.88	4.65	1.22	4.36	4.40	1.70	35.00
1901,	1.58	0.85	3.46	6.22	5.46	6.01	3.31	7.30	3.48	0.78	2.65	4.86	45.96
1902,	2.23	1.65	3.25	2.84	1.43	4.71	8.90	1.51	3.57	2.68	0.89	4.55	38.21
1903,	2.78	3.60	4.45	2.77	1.76	6.07	4.70	5.47	2.10	3.60	3.64	1.56	42.50
1904,	3.86	2.53	5.17	4.06	3.11	.....	.....	.....	.....	.....	.....	.....	.....
1905,	.....	.....	.....	.....	.....	.....	.....	.....	2.12	3.96	2.00	4.07	.....
1906,	2.03	0.53	3.90	2.38	3.22	2.36	4.96	2.70	2.26	4.08	1.15	2.98	32.55
1907,	3.74	1.24	1.79	1.91	2.46	6.00	2.58	1.12	4.91	2.84	2.00	1.85	32.44
1908,	3.38	4.70	3.34	2.89	8.34	0.58	2.15	2.86	1.30	0.86	0.80	2.01	33.21
1909,	2.04	3.20	2.02	6.79	1.90	6.30	1.18	2.12	2.05	2.21	0.83	2.66	33.30
1910,	5.30	3.68	0.60	7.07	2.62	2.96	4.18	2.52	5.62	1.28	1.80	2.34	39.97
1911,	2.56	1.46	0.88	2.52	1.00	4.58	1.74	6.04	4.56	3.48	1.39	3.08	33.29
1912,	1.41	3.64	3.09	3.83	3.30	1.26	4.05	5.52	4.97	2.42	2.20	2.19	37.88
1913,	4.92	1.23	4.81	4.23	3.31	2.07	6.59	2.18	1.89	6.20	3.15	3.20	43.78
1914,	2.48	3.17	2.43	4.66	5.03	3.35	1.51	2.56	0.66	3.12	1.95	3.30	34.22
1915,	6.81	2.99	1.30	1.17	3.81	2.75	5.23	5.93	2.68	3.65	2.01	3.60	41.93
Means,	2.99	2.48	3.08	3.31	3.31	3.89	3.96	3.81	3.02	3.02	2.38	2.83	38.08

Ridgway, Elk Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1890,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.28	.....
1891,	2.80	5.17	2.70	1.80	1.95	4.75	9.01	3.52	1.31	3.29	3.90	4.51	44.71
1892,	2.53	2.44	3.41	1.54	7.83	4.43	3.23	4.53	2.44	1.26	2.85	1.04	37.53
1893,	2.31	5.03	2.73	4.58	4.14	2.64	3.49	4.19	1.86	2.30	2.35	3.67	39.29
1894,	3.44	2.36	1.53	3.12	8.33	2.19	1.68	1.12	5.73	2.38	1.65	3.23	36.76
1895,	3.84	1.06	1.52	3.35	2.51	3.63	2.57	2.52	2.20	0.77	2.95	3.00	29.92
1896,	1.76	2.75	3.21	2.56	2.66	5.57	7.39	2.45	5.44	2.91	2.41	1.35	40.46
1897,	1.72	2.13	3.49	3.57	3.81	2.88	6.70	2.80	2.55	0.59	4.45	3.46	38.15
1898,	5.04	1.37	6.87	1.89	3.78	3.01	1.87	7.13	1.16	5.31	2.59	2.17	42.19
1899,	2.04	1.85	4.03	1.74	3.86	3.68	3.81	3.84	3.46	.....	.....	.....	.....
1913,	.....	2.06	6.00	2.72	3.83	3.43	6.36	2.06	3.05	4.05	4.15	.....	.....
1914,	2.51	2.31	3.08	5.24	5.34	3.08	1.10	.....	.....	.....	m1.05	3.52	.....
1915,	5.38	3.00	1.38	0.80	3.78	4.87	4.90	5.16	2.76	2.81	2.05	4.02	40.91
Means,	3.03	2.63	3.33	2.74	4.32	3.68	4.34	3.57	2.91	2.57	2.76	2.93	38.81

Sadsburyville, Chester Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1911,	3.49	2.13	3.34	4.05	1.25	.....	4.51	10.61	3.73	4.53	4.28*	3.98	.....
1912,	2.14	2.79	7.32	.....	4.95	3.53	3.94	3.74	6.72	3.39	2.79	4.77	.....
1913,	4.03	2.31	5.51	7.96	4.10	1.62	4.98	4.78	2.69	5.38	2.62	2.64	48.62
1914,	4.95	3.27	2.66	4.05	2.03	2.67	10.07	3.62	0.38	1.49	2.61	5.22	43.02
1915,	6.13	5.90	1.57	2.17	4.80	6.19	2.98	10.64	2.59	2.26	2.29	4.44	51.96

Saegerstown, Crawford Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1891,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.09	.....
1892,	5.00	4.24	2.27	1.73	8.95	7.73	3.50	4.76	3.44	2.93	3.97	2.90	51.42
1893,	4.06	8.23	2.94	4.43	8.89	3.25	2.13	5.20	0.72	3.00	3.04	3.71	49.60
1894,	2.57	2.70	1.74	2.55	4.92	1.59	1.47	0.98	6.14	2.31	2.61	2.39	31.97
1895,	3.92	2.38	1.14	1.40	3.60	0.69	3.15	6.03	5.41	1.58	4.21	4.44	37.95
1896,	1.33	4.10	3.42	2.95	1.66	6.97	5.48	3.29	4.31	2.25	3.71	2.01	41.48
1897,	3.26	2.41	3.59	2.22	3.95	3.58	14.51	6.63	1.55	0.50	6.51	3.49	52.20
1898,	4.87	3.02	4.30	2.08	4.00	5.12	3.62	8.25	3.31	4.20	4.78	3.09	50.64
1899,	2.67	2.03	3.63	1.34	5.95	2.14	5.84	0.54	5.25	0.79	2.05	5.30	37.53
1900,	2.71	6.96	2.81	1.58	2.78	3.13	4.77	1.74	2.81	2.87	5.95	2.89	41.00
1901,	2.52	1.74	5.21	4.83	4.62	5.63	2.25	7.15	6.53	1.28	3.80	3.33	48.89
1902,	2.43	1.49	2.41	4.21	4.36	6.11	9.28	1.91	3.61	3.99	2.03	4.11	45.94
1903,	2.88	4.58	4.44	3.44	2.71	4.85	5.54	8.05	1.48	5.07	2.98	2.61	48.63
1904,	4.60	3.28	6.46	3.92	6.22	3.90	4.54	3.52	3.61	3.15	1.25	2.43	46.88
1905,	2.14	1.97	2.47	3.07	4.01	4.71	5.17	6.04	3.02	4.08	3.29	2.35	42.32
1906,	1.63	1.22	3.57	3.21	3.08	5.64	3.28	3.17	6.57	6.71	2.93	3.93	44.94
1907,	5.29	1.42	3.80	3.10	3.75	7.49	3.75	2.67	5.35	4.56	3.80	3.94	48.92
1908,	3.03	4.48	4.16	4.13	7.23	2.90	3.36	1.22	0.79	1.40	1.76	4.32	38.78
1909,	3.30	4.79	2.89	5.49	3.88	7.97	2.64	2.82	2.18	1.73	*2.18	2.36	*42.23
1910,	5.54	*3.93	0.68	*3.68	3.37	1.73	4.83	1.83	4.05	5.23	5.50	3.46	*43.83
1911,	3.06	3.04	2.80	3.11	2.88	3.39	1.41	6.04	7.08	5.01	3.24	4.20	45.26
1912,	3.72	1.57	3.09	5.66	3.96	3.75	3.16	4.86	2.47	4.07	1.56	2.71	40.58
1913,	7.19	2.15	9.01	3.21	2.33	3.57	5.64	2.03	2.63	5.88	3.59	1.44	48.67
1914,	3.56	1.71	2.81	4.87	5.44	3.51	2.18	4.64	1.94	4.06	2.72	3.50	40.94
1915,	4.54	3.41	1.04	1.07	4.14	2.51	6.55	8.03	2.63	3.36	4.31	4.78	46.37
Means,	3.58	3.20	3.36	3.22	4.44	4.24	4.50	4.23	3.62	3.33	3.41	3.35	44.48

Note: *Interpolated.

Salem Corners, Wayne Co.—(Elevation 1,600 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1869,	.....	.....	.....	1.88	6.29	4.56	3.25	1.92	5.85	8.00	3.40	3.95	.....
1870,	4.07	4.18	4.05	4.25	1.70	4.65	3.60	2.31	1.47	3.60	1.50	1.13	36.51
1871,	2.05	1.80	5.78	1.55	2.65	2.50	7.63	4.73	0.75	2.02	2.29	.....	.....
1888,	.....	.....	.....	.....	2.37	.....	.....	5.54	9.40	4.13	3.80	3.88	.....
1889,	3.87	2.64	2.25	6.56	3.82	6.47	6.74	3.31	5.50	4.31	5.96	3.91	55.34
1890,	3.21	3.80	6.82	2.98	6.93	4.87	5.17	7.15	3.46	6.80	1.26	5.45	57.90
1891,	6.25	5.29	5.63	3.58	2.16	2.36	6.26	6.66	2.45	3.46	2.62	4.22	50.34
1892,	7.34	1.02	4.41	1.56	7.65	6.89	3.40	4.77	2.24	0.93	5.86	2.18	48.25
1893,	4.43	7.20	4.32	4.45	5.21	1.80	4.01	5.42	2.82	2.70	2.74	4.25	49.35
1894,	2.78	4.90	1.73	5.32	7.87	3.13	1.24	1.57	5.67	5.18	2.99	4.61	46.99
1895,	4.42	1.58	1.91	.....	2.87	1.15	5.09	3.32	2.42	1.91	4.26	3.88	.....
1896,	2.19	7.11	5.96	1.18	2.89	2.01	5.08	3.93	4.64	4.35	4.22	1.09	44.65
1897,	1.93	3.69	3.81	3.78	5.84	3.59	6.64	5.51	3.88	1.51	5.09	5.21	50.48
1898,	4.14	3.34	3.86	3.29	5.55	3.79	3.30	6.05	.....	4.11	5.07	3.33	.....
1899,	3.10	6.63	4.72	2.17	2.76	3.56	4.18	2.36	4.48	0.71	2.99	2.70	40.36
Means,	3.39	3.26	3.94	3.85	4.40	3.84	4.76	5.42	4.49	4.27	3.45	3.55	48.62

Saltsburg, Indiana Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	7.73	1.66	3.25	1.64	4.26	2.45	.....	.....	.....	4.38	2.50	2.22	.....
1889,	2.39	2.26	2.91	4.67	5.40	4.93	3.03	2.79	3.93	2.30	5.43	3.69	43.73
1890,	4.98	6.97	5.54	4.50	5.48	2.96	2.03	5.07	6.08	6.89	1.87	5.91	58.28
1891,	3.63	7.20	3.63	2.24	4.01	2.77	6.02	2.55	1.71	2.26	2.83	4.68	43.53
1892,	4.04	2.83	2.92	2.49	4.01	4.86	4.66	2.72	1.13	0.57	2.59	2.49	35.31
1893,	2.25	4.44	0.71	4.40	4.94	4.19	2.01	2.76	1.81	2.79	1.66	3.04	35.00
1894,	2.55	3.29	2.10	2.56	4.46	1.99	1.86	1.54	6.58	1.93	2.14	4.47	35.47
1895,	4.83	1.35	2.30	4.22	2.11	2.77	6.16	3.10	3.34	1.00	2.04	.....	.....
1901,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.20	4.40	.....
1902,	2.62	1.75	4.16	3.82	1.49	4.94	4.98	2.10	2.02	3.43	1.00	4.69	37.00
1903,	3.00	4.04	3.97	3.42	1.15	4.78	.....	3.77	3.88	2.90	2.67	1.92	.....
1904,	3.40	3.34	5.44	5.17	3.56	4.12	4.88	3.39	1.79	2.24	0.56	2.73	40.62
1905,	3.20	1.54	3.60	4.24	3.21	4.75	5.20	4.24	3.20	3.83	.....	3.24	.....
1906,	1.54	0.86	2.96	1.05	2.39	5.14	4.80	7.76	2.64	2.81	0.99	3.26	36.20
1907,	5.66	1.59	5.50	1.74	2.08	4.08	6.08	3.28	5.62	2.70	2.50	3.43	44.26
1908,	2.86	3.88	6.38	3.66	6.00	2.65	5.15	2.44	0.68	0.74	0.76	3.40	38.60
1909,	2.99	4.71	3.88	6.04	2.81	4.42	1.66	6.42	2.86	2.74	1.14	2.59	42.26
1910,	7.87	3.98	0.56	3.69	2.59	2.25	2.29	2.04	6.41	1.82	1.90	3.06	38.46
1911,	4.02	2.86	2.27	4.96	0.74	4.79	2.25	4.22	7.46	5.38	3.02	4.44	46.41
1912,	2.78	2.12	5.20	3.59	2.10	4.00	6.45	4.45	4.98	2.58	1.33	2.63	42.21
1913,	6.34	2.51	3.69	2.38	3.36	1.71	2.38	1.88	2.84	5.38	3.28	2.71	38.46
1914,	2.11	3.74	2.48	4.33	3.31	5.22	2.36	3.50	1.10	2.31	1.25	4.05	35.76
1915,	4.16	2.28	1.27	1.17	5.16	3.71	5.33	3.10	3.27	3,09	1.72	4.13	38.39
Means.	3.86	3.15	3.40	3.45	3.39	3.79	3.98	3.48	3.49	2.91	2.06	3.51	40.47

Schuylkill Haven, Schuylkill Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1880,	1.56	3.34	3.47	4.02	1.86	4.05	3.65	3.02	2.91	2.00	4.53	2.26	36.67
1881,	4.06	5.63	5.93	1.24	3.59	9.73	0.74	0.98	0.76	3.32	2.43	4.93	43.34
1882,	4.22	5.16	3.05	1.17	4.85	1.75	4.54	4.10	2.00	1.23	1.21	1.23	34.51
1883,	4.00	3.60	3.13	2.34	3.55	5.24	2.87	1.28	3.34	4.59	1.48	2.99	38.41
1884,	3.95	4.59	4.88	2.92	3.96	4.02	6.15	4.56	0.94	3.85	3.13	5.82	48.77
1885,	5.25	3.30	1.32	3.02	4.48	1.46	3.03	5.48	0.81	8.20	4.64	3.10	44.09
1886,	5.11	3.65	5.03	2.90	6.06	2.66	5.45	0.77	0.85	2.54	4.16	3.46	42.54
1887,	2.75	4.73	1.22	2.09	1.75	3.54	4.82	5.12	2.33	0.64	1.05	4.86	34.90
1888,	3.79	2.99	3.16	2.18	2.41	3.57	2.00	9.65	3.99	2.93	2.72	1.63	40.42
1889,	2.73	1.58	1.62	2.52	1.70	.....	.....	.....	.....	.....	.....	.....	.....
Means,	3.74	3.86	3.28	2.44	3.42	4.00	3.69	3.82	1.99	3.24	2.82	3.36	39.66

Note: Portion of this record furnished by the Schuylkill Navigation Co., Philadelphia, Pa.

Scranton, Lackawanna Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	.....	.....	.....	.....	.....	2.75	.....	.....	5.11	5.48	4.36	2.35	.....
1890,	.....	.....	.....	2.85	4.77	.....	.....	.....	.....	.....	.....	.....	.....
1895,	.....	.....	.....	.....	.....	.....	.....	.....	2.21	2.45	1.74	3.32	.....
1896,	0.78	4.91	4.78	0.97	3.52	1.98	4.81	2.50	2.33	4.83	3.13	.....	.....
1897,	1.48	2.73	2.99	3.41	4.82	3.43	5.00	2.57	1.20	1.10	4.14	3.64	36.51
1898,	3.59	2.41	3.50	2.47	4.47	2.20	2.69	3.72	2.47	3.07	3.34	2.27	36.20
1899,	3.03	6.30	4.46	1.96	2.73	2.66	4.73	3.62	3.47	0.63	2.11	2.10	37.80
1900,	2.13	2.75	2.98	1.81	2.81	3.54	4.63	1.27	1.72	2.66	2.37	2.61	31.28
1901,	1.17	1.34	3.23	3.44	5.58	1.82	4.12	6.88	2.35	1.11	2.58	5.64	39.26
1902,	2.14	4.73	3.14	2.27	1.61	6.69	4.60	3.28	6.23	4.94	1.06	4.36	45.05
1903,	2.73	3.54	4.40	2.55	0.90	7.73	4.89	6.03	1.27	6.42	1.86	2.59	44.97
1904,	3.23	0.92	2.10	2.32	2.17	3.46	5.94	4.69	3.33	3.80	1.51	3.71	37.18
1905,	4.41	1.61	4.13	1.93	1.25	3.26	2.62	5.27	3.23	3.12	1.56	2.38	34.77
1906,	1.37	2.59	4.48	4.25	2.68	5.32	1.93	1.76	2.00	3.71	2.09	3.28	35.46
1907,	2.92	1.60	2.09	1.02	1.44	3.30	2.67	1.82	7.11	2.88	3.05	4.63	34.53
1908,	2.27	4.40	3.62	2.97	4.02	1.71	2.92	3.44	2.03	2.29	0.75	2.17	32.59
1909,	2.86	4.16	2.68	5.20	4.28	5.85	2.23	1.22	1.80	1.86	1.33	3.39	36.86
1910,	4.32	3.94	0.77	3.41	2.96	3.05	1.09	2.57	4.45	0.85	5.64	3.35	36.34
1911,	2.67	1.90	1.99	2.85	2.26	4.90	2.88	6.84	2.90	4.00	1.86	2.36	37.41
1912,	2.55	1.57	7.02	3.78	1.44	1.67	2.11	4.91	6.94	2.75	3.75	4.07	42.56
1913,	2.50	1.60	5.00	3.63	2.27	1.34	4.97	2.54	3.87	3.99	2.83	2.16	36.70
1914,	2.11	5.23	5.05	3.89	3.29	3.05	6.71	2.56	1.05	1.05	1.12	4.19	39.30
1915,	4.09	2.70	1.21	1.65	3.30	3.27	2.60	8.17	2.91	1.13	1.37	4.66	37.06
Means,	2.62	3.05	3.48	2.79	2.98	3.48	3.71	3.78	3.18	2.91	2.43	3.30	37.71

Seisholtzville, Berks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	.....	.....	6.22	4.54	7.91	11.76	4.15	7.32	5.17	9.70	1.53	.....
1890,	2.94	4.39	6.69	3.23	5.99	2.61	5.01	6.37	4.07	5.60	1.08	2.98	50.96
1891,	7.00	3.17	6.05	2.11	2.37	3.39	7.75	7.18	3.25	3.83	2.35	4.85	53.30
1892,	5.97	1.46	5.33	1.61	5.13	1.83	3.80	2.93	2.38	0.61	6.73	2.35	40.13
1893,	1.57	5.84	3.16	4.20	6.21	2.22	2.32	6.44	3.19	3.19	3.95	2.51	44.80
1894,	2.03	4.32	1.40	3.06	13.06	4.32	1.88	1.72	5.60	7.48	2.96	4.58	52.41
1895,	4.40	2.18	2.76	7.09	3.15	2.87	4.88	2.88	1.01	3.75	1.92	3.59	40.48
1896,	1.09	6.11	4.58	1.81	4.69	3.83	10.86	1.75	5.18	5.40	5.77	0.83	51.90
1897,	2.28	2.73	2.47	3.53	8.58	3.12	5.61	3.27	2.02	2.04	6.99	4.48	47.12
1898,	4.33	3.01	2.40	4.04	6.23	1.30	2.84	5.24	1.83	5.90	7.03	3.28	47.43
1899,	4.13	4.33	6.06	2.53	3.51	4.68	8.24	3.69	9.31	*1.39	*2.82	1.75	*52.44
1900,*	*3.36	*5.29	*3.05	*1.96	*4.00	*3.13	*5.89	*3.75	*1.91	*2.33	*2.51	*2.62	*39.80
1901,	2.51	0.83	6.67	5.85	4.96	2.50	5.09	13.15	3.97	2.07	2.18	7.30	57.08
1902,	4.39	6.49	4.56	4.31	2.08	6.54	3.88	6.17	7.24	6.05	1.74	8.51	61.96
1903,	5.09	5.56	4.74	4.84	0.22	7.40	3.87	4.94	2.05	8.13	1.59	4.52	52.95
1904,	3.57	2.37	3.52	2.69	4.28	5.18	3.67	7.11	4.07	4.62	1.80	2.06	44.94
1905,	5.63	1.58	3.47	2.19	0.67	2.07	3.60	10.83	5.87	4.38	2.82	3.08	45.59
1906,	3.11	2.65	5.08	3.92	3.97	5.56	2.47	5.35	1.30	5.89	1.27	5.35	45.92
1907,	3.49	2.19	3.16	1.96	2.55	5.10	3.69	3.22	9.19	4.27	5.77	5.05	49.64
1908,	2.94	6.03	3.28	2.84	6.12	1.16	5.45	2.88	2.03	3.79	0.86	2.48	39.86
1909,	3.20	6.10	4.26	4.96	2.95	2.46	1.57	1.10	2.27	1.31	1.40	5.66	37.24
1910,	4.44	4.07	0.68	5.60	2.97	4.09	0.55	6.71	2.86	2.15	3.30	2.32	39.74
1911,	3.25	2.35	3.68	4.17	2.41	5.57	5.24	6.69	2.54	6.23	4.22	3.35	49.70
1912,	1.91	2.58	6.94	4.06	3.95	2.42	5.47	3.98	7.04	2.91	3.26	5.21	49.73
1913,	4.10	1.86	7.68	7.81	2.78	1.18	3.42	3.95	4.82	6.46	2.70	4.49	51.25
Means,	3.59	3.64	4.24	3.86	4.29	3.70	4.75	5.02	4.09	4.20	3.47	3.79	48.64

Note: *Interpolated.

Selinsgrove, Snyder Co.—(Elevation 455 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	.....	.....	.....	.....	.....	.....	.....	10.12	5.35	.....	2.40	3.09	.....
1889,	4.00	1.52	2.60	3.02	9.20	5.10	4.29	6.00	5.16	3.65	9.13	2.66	56.33
1890,	1.02	.....	.....	4.11	3.56	1.36	3.58	5.81	3.13	6.97	1.54	4.38	.....
1891,	8.59	3.09	8.39	1.82	1.36	4.74	6.69	7.18	4.12	4.46	3.85	3.97	58.26
1892,	5.13	0.88	3.92	1.60	6.25	8.18	4.77	3.17	3.29	0.37	4.30	1.90	43.76
1893,	2.78	5.63	3.57	4.64	6.85	4.44	2.32	4.07	3.12	4.21	2.45	2.48	46.56
1894,	0.83	3.87	1.09	4.86	10.03	2.40	1.20	2.47	4.25	5.58	2.08	3.76	42.42
1895,	*2.79	1.26	2.92	2.55	3.26	3.39	2.54	4.58	1.53	1.80	1.50	3.06	*31.18
1896,	0.90	5.71	4.04	1.16	2.40	2.49	6.36	2.18	3.81	4.36	3.47	0.73	37.61
1897,	1.85	3.26	3.74	3.25	4.74	2.62	5.08	1.88	2.56	1.89	6.35	3.56	40.78
1898,	4.08	2.06	3.87	2.98	5.28	1.61	5.63	6.86	0.91	6.22	2.90	2.72	45.12
1899,	1.76	4.87	4.58	1.37	4.45	4.04	2.42	4.63	4.72	1.53	3.26	2.61	40.24
1900,	2.60	3.59	3.69	1.16	0.72	2.09	3.74	2.38	1.59	3.65	3.89	2.18	31.28
1901,	2.03	0.80	4.11	3.73	7.73	2.50	5.59	8.50	3.52	1.34	1.66	4.84	46.35
1902,	3.28	3.23	5.08	3.23	0.94	8.11	4.79	1.69	5.16	4.90	1.54	4.26	46.21
1903,	4.20	4.84	3.29	4.39	1.28	7.57	4.39	4.91	3.01	3.72	1.53	3.98	47.11
1904,	3.99	3.76	3.36	3.70	6.27	3.02	5.04	2.53	4.68	2.40	0.70	2.45	41.90
1905,	4.29	1.50	5.36	2.10	2.02	3.00	3.26	6.03	2.67	3.79	2.40	3.69	40.11
1906,	3.09	2.02	4.57	4.17	3.20	6.81	4.67	3.44	2.15	5.25	1.04	4.14	44.55
1907,	3.26	1.50	3.89	1.96	3.30	4.80	2.41	3.38	5.95	3.86	3.02	6.77	44.10
1908,	1.46	4.68	5.04	3.45	6.41	1.72	9.45	3.14	1.92	3.10	0.43	1.84	42.64
1909,	3.05	5.25	2.41	6.50	2.83	4.99	1.12	1.74	1.89	2.05	1.21	2.64	35.68
1910,	5.57	2.95	0.35	6.72	5.27	8.21	0.66	2.59	5.66	1.53	2.39	1.71	43.61
1911,	2.64	2.01	1.96	3.42	2.59	3.47	3.23	8.98	4.96	6.63	2.11	3.27	45.27
1912,	0.87	2.09	5.51	4.73	4.66	2.20	8.64	4.78	9.26	2.46	3.76	4.01	52.97
1913,	3.77	1.22	4.85	5.81	3.36	4.07	7.00	1.60	3.41	5.05	2.26	3.05	45.45
1914,	3.54	2.61	2.74	6.05	3.42	4.79	6.32	2.77	0.45	1.83	1.34	3.08	38.62
1915,	4.96	4.16	1.00	3.80	4.02	4.29	4.77	7.19	2.51	1.91	1.86	3.53	44.00
Means,	3.20	3.01	3.69	3.57	4.27	4.15	4.44	4.45	3.60	3.50	2.66	3.23	43.77

Note: *Interpolated.

Shamokin, Northumberland Co.—(Elevation 750 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1857,	2.96	1.90	2.50	6.24	10.60	9.76	6.05	4.08	1.91	2.69	2.41	5.91	57.01
1858,	1.80	0.86	0.95	3.06	7.30	2.91	5.68	3.76	1.58	2.70	3.79	4.12	38.51
1859,	3.06	2.78	5.19	3.62	2.50	3.03	3.02	5.83	5.85	1.61	2.46	3.03	41.98
1860,	2.11	2.09	2.66	4.37	10.44	4.46	1.97	6.66	1.91	4.37	4.76	2.11	47.91
1861,	2.96	2.08	3.48	4.66	3.54	2.99	3.80	6.35	6.22	5.13	4.33	0.64	46.18
1862,	4.45	1.12	2.44	3.19	1.90	10.28	4.00	2.69	1.50	4.29	2.65	1.05	39.56
Means,	2.89	1.80	2.87	4.19	6.05	5.57	4.09	4.90	3.16	3.46	3.40	2.81	45.19

Shamokin, Northumberland Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1908,	2.55	5.49	3.66	2.09	4.47	1.44	8.69	3.22	1.71	2.39	0.68	2.26	38.65
1909,	1.95	5.60	2.79	6.12	2.99	2.81	1.02	0.36	2.32	2.53	1.67	2.44	32.60
1910,	5.58	4.69	0.63	5.41	4.07	6.40	1.52	4.00	4.90	1.17	2.76	2.30	43.43
1911,	3.62	1.72	2.53	2.49	1.61	3.04	3.18	9.50	4.10	6.54	2.52	2.77	43.62
1912,	1.57	2.00	5.44	5.12	3.74	1.97	4.60	5.93	5.03	2.74	1.82	4.68	44.64
1913,	4.47	2.36	6.04	5.19	2.84	1.91	6.46	2.30	3.66	5.13	1.50	3.82	45.68
1914,	2.69	2.95	2.50	4.82	2.44	5.46	7.19	4.30	1.89	1.47	0.96	5.08	41.75
1915,	5.06	4.09	1.11	2.73	3.14	2.88	4.34	8.08	2.69	1.22	1.73	4.88	41.95
Means,	3.44	3.61	3.09	4.25	3.16	3.24	4.62	4.71	3.29	2.90	1.70	3.53	41.54

Note: Furnished by Roaring Creek Water Company, Shamokin, Pa.

Sharon, Mercer Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	.....	.....	.....	5.14	1.94	3.38	6.74	7.39	2.87	3.09	1.03	2.13	.....
1913,	5.90	1.81	7.02	2.09	2.47	2.46	3.95	3.96	1.36	5.57	2.75	1.30	40.64
1914,	2.07	1.47	2.26	5.84	3.81	3.05	1.60	2.65	1.05	2.90	1.52	3.39	31.61
1915,	2.89	2.49	1.15	1.46	2.37	4.12	5.15	4.33	3.00	1.83	1.77	2.84	33.40

Shawmont, Philadelphia Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	.....	.....	4.59	0.96	2.09	4.04	3.26	1.14	4.71	2.96	3.42	2.00	.....
1897,	2.94	3.18	2.11	2.84	5.54	5.59	11.45	3.60	1.60	2.10	5.22	3.87	50.04
1898,	3.97	2.73	2.55	2.56	4.97	2.56	5.00	6.18	1.66	4.44	5.93	3.36	45.91
1899,	3.86	5.48	6.37	1.32	2.18	1.96	3.84	3.56	4.12	1.83	2.32	1.35	38.19
1900,	2.92	3.97	2.78	1.70	7.04	2.14	4.56	4.26	5.36	2.55	2.42	2.28	41.98
1901,	2.59	0.69	3.95	4.21	4.02	1.48	3.61	8.53	3.73	1.29	2.82	6.87	43.79
1902,	2.09	5.09	3.59	3.06	1.73	5.10	4.52	2.90	4.31	6.29	1.75	6.39	46.82
1903,	3.99	4.45	4.16	3.81	0.63	4.89	5.83	3.84	2.99	6.25	1.01	4.11	45.96
1904,	3.07	2.30	3.23	1.34	2.62	2.90	2.11	9.26	3.65	4.37	1.91	1.88	38.64
1905,	2.99	2.16	3.54	2.70	2.18	1.94	3.79	7.24	3.37	3.69	1.76	3.34	38.70
1906,	2.63	2.43	4.92	3.16	2.80	7.02	7.31	7.48	0.44	5.12	1.51	3.83	48.65
1907,	2.97	2.21	2.42	2.52	4.33	3.88	3.39	3.35	6.24	4.59	5.84	5.15	46.89
1908,	3.09	4.14	3.66	3.11	5.76	1.53	3.25	4.52	2.37	2.26	1.07	3.78	38.54
1909,	2.72	5.34	3.60	3.96	3.42	3.52	1.68	2.80	3.72	0.99	2.38	4.73	38.86
1910,	4.19	2.78	0.65	5.04	2.26	5.13	0.80	10.37	2.27	3.58	2.67	2.48	42.22
1911,	3.19	2.58	3.13	4.09	1.69	4.92	2.62	12.85	2.64	4.23	5.18	3.52	50.64
1912,	1.95	3.48	8.72	3.30	3.40	1.41	3.60	4.03	5.39	4.00	4.83	4.78	48.89
1913,	3.65	2.20	5.09	7.14	3.74	1.58	2.60	4.60	3.91	6.10	3.18	3.68	47.47
1914,	3.62	2.84	2.75	3.18	1.92	1.82	7.77	1.18	0.30	1.94	2.14	5.92	35.38
1915,	5.94	6.95	1.20	3.78	4.92	2.72	6.93	8.04	0.86	3.75	1.52	3.40	50.01
Means,	3.28	3.42	3.65	3.19	3.36	3.31	4.40	5.49	3.18	3.62	2.94	3.84	43.68

Shinglehouse, Potter Co.—(Elevation 1,475 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1893,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.26	4.13	.....
1894,	4.64	3.02	1.84	5.61	8.94	3.36	3.46	2.50	5.96	3.33	2.42	3.21	48.29
1895,	1.83	1.00	1.58	1.81	2.65	5.03	1.30	.....	3.00	1.06	3.81	3.80	.....
1896,	2.40	3.56	2.70	1.34	5.22	3.96	6.14	.....	6.83	3.80	2.87	2.00	.....
1897,	2.43	1.44	3.63	2.87	3.20	3.49	5.12	2.31	2.49	0.82	6.41	3.14	37.35
1898,	3.27	1.24	3.39	1.98	5.07	4.04	2.06	8.13	1.94	2.98	4.00	2.35	40.45
1899,	1.18	.....	1.91	1.74	.....	3.61	5.04	3.74	3.13	2.38	1.42	.....	.....
1901,	.....	.....	.....	4.01	5.18	2.76	2.67	5.47	3.32	.....	.....	.....	.....
Means,	2.62	2.01	2.51	2.77	5.04	3.75	3.68	4.43	3.81	2.40	3.31	2.66	38.99

Shippensburg, Cumberland Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1911,	.....	.....	.....	.....	.....	2.68	3.87	7.55	6.18	3.37	.....	3.50	.....
1912,	1.97	3.19	.....	.....	.....	.....	.....	.....	4.04	1.18	1.52	3.61	.....
1913,	3.18	2.07	5.41	3.81	4.15	1.00	2.40	2.79	3.24	9.62	1.87	3.65	43.29
1914,	3.40	3.78	1.65	4.09	3.04	3.20	2.21	2.18	0.84	0.90	1.04	2.50	28.83
1915,	5.10	4.23	0.98	2.15	4.27	1.68	2.17	7.26	3.53	.....	.....	.....	.....

Smethport, McKean Co.—(Elevation 1,493 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1839,	.....	2.83	3.32	1.46	4.39	5.48	7.37	1.46	2.85	0.42	2.36	7.30	.....
1840,	1.53	2.17	5.07	2.74	2.48	3.94	2.40	5.10	2.93	3.58	2.33	2.30	36.57
1841,	4.60	0.96	.....	.....	1.32	.....	2.26	2.41	.....	.....	.....	.....	.....
1888,	.....	.....	.....	.....	.....	5.02	1.41	6.78	3.63	7.66	4.01	2.21	.....
1889,	.....	2.72	.....	.....	9.21	5.93	.....	.....	.....	.....	.....	.....	.....
1891,	.....	.....	.....	.....	.....	5.66	8.14	5.15	2.15	.....	.....	.....	.....
1893,	.....	.....	.....	4.60	4.90	3.68	3.56	4.15	2.92	3.65	2.83	6.07	.....
1894,	4.20	3.35	1.86	4.22	11.33	3.65	2.03	3.15	6.32	3.37	2.52	3.45	49.45
1895,	4.10	1.10	2.35	2.46	2.12	4.00	2.83	3.27	2.08	0.88	3.45	3.85	32.44
1896,	1.60	3.55	4.23	1.88	3.34	5.38	7.19	2.27	6.82	3.52	2.41	1.85	44.04
1897,	1.60	2.75	4.22	3.43	2.90	2.95	.....	3.25	.....	0.65	5.93	3.25	.....
1898,	3.42	1.35	5.57	2.35	4.59	4.50	2.30	6.08	2.40	4.95	4.00	2.10	43.61
1899,	2.30	2.85	3.60	1.40	5.33	2.68	5.40	1.70	.....	2.58	1.88	.....	.....
1900,	2.52	1.00	3.65	1.25	1.88	1.98	3.65	2.90	1.67	5.10	4.65	0.40	30.65
1901,	2.40	0.60	4.10	5.70	5.16	3.73	4.70	5.64	5.27	1.10	4.50	4.45	47.35
1902,	.....	1.80	2.35	2.75	3.30	.....	9.33	1.25	2.23	2.12	2.75	.....	.....
1903,	4.20	4.90	4.00	2.49	2.70	.....	.....	6.14	3.40	3.11	3.23	1.61	.....
1904,	.....	.....	3.55	2.34	4.30	3.45	4.29	6.66	6.36	2.81	0.75	1.85	.....
Means,	2.95	2.28	3.68	2.79	4.32	4.14	4.46	3.96	3.65	3.03	3.17	3.13	41.56

Smiths Corners, Bucks Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	4.19	2.22	3.35	5.02	4.75	7.54	12.30	4.88	8.07	4.99	9.00	2.36	68.67
1890,	2.93	4.38	6.71	2.46	5.29	3.89	5.46	5.75	2.68	5.99	0.98	2.66	49.18
1891,	5.58	4.51	3.95	1.75	2.81	2.48	7.45	10.18	1.29	4.37	1.72	4.71	50.80
1892,	5.23	1.25	3.56	1.96	5.81	3.22	4.25	3.38	3.19	0.45	7.58	1.69	41.57
1893,	2.98	5.63	2.24	5.08	4.64	5.08	2.00	8.63	3.09	4.32	4.47	3.39	51.55
1894,	1 79	3.47	1.71	2.94	13.09	1.95	2.63	1.83	11.61	5.23	3.07	4.06	53.38
1895,	4.47	0.77	3.02	5.60	2.85	5.51	3.51	4.94	0.70	3.99	1.88	2.56	39.80
1896,	1.23	8.13	5.57	1.49	3.14	4.55	7.21	2.20	6.09	2.39	4.28	0.82	47.10
1897,	2.14	2.60	2.54	3.30	10.05	6.00	10.22	3.75	2.05	1.68	5.03	4.57	53.93
1898,	4.09	3.27	2.87	3.68	7.80	0.60	4.24	7.05	2.03	5.52	6.17	3.60	50.92
1899,	4.13	4.38	6.82	2.12	2.11	3.19	3.63	4.96	7.72	1.60	2.38	2.03	45.07
1901,	2.36	0.45	4.88	5.18	5.46	1.34	3.17	8.12	3.17	1.33	1.93	7.72	45.11
1902,	2.93	4.28	3.50	3.46	1.77	5.03	5.57	2.87	6.68	6.41	1.72	6.57	50.79
1903,	4.02	4.37	4.59	4.71	0.22	7.26	6.76	5.16	2.93	9.18	1.45	3.50	54.15
1904,	3.23	2.18	3.21	2.68	3.32	3.87	4.33	6.82	6.35	3.95	1.57	2.03	43.54
1905,	4.32	1.87	3.65	3.07	0.77	2.64	3.85	10.01	4.60	3.83	2.91	3.33	44.85
1906,	3.13	2.18	3.78	3.52	5.38	5.07	4.54	3.28	0.92	5.66	1.35	4.94	43.75
1907,	3.50	1.44	3.03	3.09	2.33	4.86	2.94	4.74	11.25	5.54	5.24	4.47	52.43
1908,	3.32	5.17	4.21	3.13	8.03	2.42	3.71	5.07	2.49	3.85	0.89	2.58	44.87
1909.	2.63	5.17	3.11	5.52	3.47	3.48	1.97	3.21	2.21	1.13	3.50	4.21	39.61
1910,	4.40	3.99	0.98	7.23	3.89	4.63	0.41	4.99	3.89	2.48	3.56	1.87	42.32
1911,	3.57	2.05	3.33	4.05	2.57	4.17	5.90	8.79	2.51	5.98	4.72	3.70	51.34
1912,	1.69	2.29	8.42	4.15	3.14	2.41	4.68	5.12	5.91	4.77	3.95	5.08	51.61
1913,	3.47	2.16	5.51	7.10	2.85	0.95	3.41	4.46	6.30	7.82	3.52	2.85	50.40
Means,	3.39	3.26	3.94	3.85	4.40	3.84	4.76	5.42	4.49	4.27	3.45	3.55	48.62

Somerset, Somerset Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1840,	2.10	1.71	1.86	4.70	3.97	3.06	3.35	3.41	1.55	2.97	1.67	3.04	33.39
1841,	2.08	1.00	2.17	2.54	3.83	5.50	2.43	0.80	3.38	1.96	3.00	3.66	32.35
1846,	4.51	3.70	1.88	2.96	6.61	6.80	3.03	3.54	3.05	3.11	4.23	1.10	44.52
1856,	.....	.....	.....	.....	3.29	3.95	1.54	4.24	6.56	2.43	3.40	1.62	.....
1857,	.....	.....	.....	.....	.....	.....	2.96	5.13	3.28	3.31	2.38	4.28	.....
1858,	0.98	2.22	1.13	3.96	8.39	4.03	3.07	1.32	1.34	2.06	3.91	4.94	37.35
1859,	1.66	4.39	3.28	5.54	1.66	3.86	1.76	3.71	4.68	1.16	1.26	3.90	36.86
1860,	2.68	1.67	1.57	5.78	6.73	3.18	5.16	5.12	2.57	5.44	6.09	3.33	49.32
1861,	2.80	1.71	2.09	4.34	4.04	2.42	3.60	3.52	5.45	3.94	5.01	1.15	40.07
1888,	6.40	1.34	3.25	2.54	5.85	2.76	4.30	7.68	3.26	5.47	2.74	2.21	47.80
1889,	3.48	3.13	2.52	4.55	8.32	3.87	5.06	3.35	2.94	2.61	7.22	4.29	51.34
1890,	5.60	4.51	5.42	3.16	8.90	4.93	2.36	7.90	7.84	7.12	3.00	5.52	66.26
1891,	5.51	5.50	5.37	1.13	4.10	5.20	4.68	5.02	4.12	2.45	2.45	4.60	50.13
1892,	3.05	2.95	3.85	4.43	5.28	4.40	3.97	2.09	1.42	0.32	6.17	3.32	41.25
1893,	3.68	8.38	1.67	5.46	7.30	2.02	3.37	3.93	3.26	3.02	1.16	1.75	45.00
1894,	3.19	5.20	1.85	10.00	14.33	3.32	3.50	1.05	3.12	3.20	2.70	5.69	57.15
1895,	6.36	1.56	3.34	2.58	1.88	2.80	2.94	2.79	0.50	1.18	2.66	2.89	31.48
1896,	1.71	4.24	4.72	3.27	3.01	7.68	10.55	1.75	6.50	2.72	3.84	2.62	52.61
1897,	3.01	6.67	5.86	3.99	4.65	2.56	4.89	3.11	1.38	0.32	5.86	5.50	47.80
1898,	6.87	3.11	5.38	4.51	3.91	2.44	4.72	9.31	1.87	5.37	2.91	4.79	55.19
1899,	4.20	4.39	5.76	2.83	4.96	4.45	4.60	4.71	7.18	2.79	2.21	3.05	51.13
1900,	3.44	5.69	7.31	2.80	3.67	10.29	4.31	4.80	0.60	2.15	6.46	4.16	55.68
1901,	4.41	2.58	7.21	7.85	7.23	3.73	4.60	4.98	3.83	0.90	2.63	5.49	55.44
1902,	5.15	5.65	7.50	7.14	3.85	4.45	4.74	2.72	1.69	4.25	2.44	6.81	56.39
1903,	4.13	5.16	4.84	4.52	2.12	7.25	4.80	3.93	1.30	2.99	1.62	2.54	45.20
1904,	5.82	4.29	5.10	5.81	3.46	6.26	7.44	2.36	2.72	1.91	1.80	3.47	50.44
1905,	4.80	2.07	3.90	4.46	4.84	8.35	6.19	9.57	2.35	5.29	3.05	4.51	59.38
1906,	5.28	1.79	7.35	3.26	2.85	6.53	4.60	11.17	3.57	2.47	3.08	4.75	56.70
1907,	7.77	3.26	7.28	4.42	5.00	7.60	6.24	5.05	5.02	1.77	6.22	4.42	64.05
1908,	5.33	7.72	7.50	5.25	7.26	3.12	5.17	1.80	0.91	0.55	1.97	3.29	49.87
1909,	3.63	4.87	3.68	4.62	1.97	5.52	2.44	5.22	2.41	2.36	1.35	3.69	41.76
1910,	8.91	4.09	0.99	4.89	3.34	8.68	2.65	2.40	2.75	1.58	2.35	4.41	47.04
1911,	6.38	3.48	4.75	5.85	3.86	7.21	5.19	6.71	10.18	4.77	2.92	2.69	63.99
1912,	2.90	2.25	5.82	4.95	4.53	6.00	6.86	6.77	11.43	1.55	3.17	4.72	60.95
1913,	6.38	2.63	3.62	3.05	5.33	2.86	4.05	1.91	6.15	5.44	4.14	4.11	49.67
1914,	4.98	6.20	4.91	7.50	2.62	7.05	2.77	3.87	0.83	3.30	2.95	7.35	54.33
1915,	9.19	3.47	2.04	2.97	7.04	5.64	6.46	5.73	3.63	4.68	2.59	6.17	59.61
Means,	4.67	3.94	4.33	4.56	5.06	5.04	4.42	4.52	3.71	2.97	3.37	3.98	50.57

Note: 1840 and 1841 are evidently not made with a standard rain gage as amounts are much too small for this locality. The chief value of this old record is in the probability that the amounts are relative or proportionate. 1840 and 1841 not included in the means.

South Bethlehem, Northampton Co.—(Elevation 339 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1885,	5.71	6.23	2.04	3.76	2.34	0.97	3.48	8.64	0.64	5.54	3.66	.....	.....
1886,	.....	4.41	4.08	2.98	5.59	4.53	3.52	2.15	1.77	2.18	5.44	3.66	.....
1887,	3.62	5.47	2.59	2.64	2.79	4.87	8.58	3.47	2.78	1.12	1.32	.....	.....
1902,	3.07	6.89	5.03	3.37	1.07	6.75	4.10	5.82	6.32	5.90	1.64	8.39	58.35
1903,	5.03	5.49	4.87	4.59	0.45	11.76	7.85	4.88	.....	.....	.....	.....	.....
Means,	.....	5.70	3.72	3.47	2.45	5.78	5.51	4.99	.....	.....	.....	.....	.....

South Eaton, Wyoming Co.—(Elevation 660 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	.....	.....	.....	.....	.....	.....	.....	.....	3.32	4.11	5.52	2.32	.....
1890,	1.60	3.09	4.46	1.81	7.47	2.81	2.72	7.53	2.05	5.18	0.78	3.31	42.81
1891,	5.47	3.48	4.54	2.85	1.06	2.17	4.88	4.15	1.35	3.71	2.84	3.88	40.38
1892,	5.38	0.91	4.53	1.20	5.49	4.50	3.14	2.85	2.97	0.77	2.88	0.86	35.48
1893,	2.69	5.49	3.03	3.53	5.12	2.98	3.83	5.41	2.21	1.88	1.94	2.46	40.57
1894,	1.65	2.79	0.80	2.76	7.26	1.09	1.98	2.22	3.69	6.50	2.27	3.41	36.42
1895,	2.35	1.33	1.62	3.60	3.40	4.50	2.81	2.07	1.68	2.26	2.44	4.26	32.32
1896,	0.52	4.11	4.45	1.13	2.86	2.62	4.66	3.06	2.45	4.94	4.16	1.11	36.07
1897,	1.89	2.49	2.40	3.11	5.29	3.92	3.38	3.23	2.24	1.12	3.96	4.13	37.16
1898,	3.93	1.43	3.16	2.73	3.67	1.63	1.64	6.30	1.90	4.49	3.27	2.02	36.17
1899,	1.98	3.58	3.96	2.30	2.24	2.58	2.39	3.38	2.16	1.16	2.71	2.81	31.25
1900,	2.10	3.47	3.75	0.97	1.97	3.52	4.09	1.93	1.84	1.98	3.21	2.17	31.00
1901,	0.92	0.81	3.73	4.21	6.70	3.01	5.32	5.76	2.66	1.94	1.69	6.16	42.91
1902,	1.42	5.26	4.06	2.22	1.34	6.61	5.41	2.27	8.15	7.05	1.00	6.09	50.88
1903,	2.78	4.53	4.83	3.29	1.31	6.74	3.86	6.19	1.93	5.23	2.09	3.85	46.63
1904,	2.97	1.67	2.56	3.21	3.00	3.74	5.94	3.40	3.71	3.54	1.06	1.90	36.70
1905,	3.52	1.31	4.45	1.85	1.59	2.35	3.42	5.42	4.66	3.51	1.51	2.83	36.42
1906,	1.97	3.07	5.71	3.67	3.87	6.61	3.72	4.15	2.63	4.28	1.58	3.88	45.14
1907,	2.64	1.70	1.46	1.25	2.27	5.27	4.35	1.59	5.55	3.86	3.65	5.28	38.87
1908,	2.34	4.37	4.40	2.52	5.62	2.75	3.45	1.21	1.38	.....	.....	.....	.....
Means,	2.53	2.89	3.57	2.54	3.76	3.65	3.74	3.80	2.93	3.55	2.56	3.30	38.82

South Sterling, Pike Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	2.73	1.04	2.81	4.45	4.30	5.16	3.00	4.06	.....
1914,	2.68	2.20	4.08	4.61	3.11	3.52	6.04	3.64	0.74	1.94	3.07	5.19	40.82
1915,	7.20	5.49	0.72	3.36	3.36	2.65	4.39	8.11	3.63	1.54	3.96	4.82	49.23

Note: This record furnished by L. B. Stillwell, Consulting Engineers, New York City.

Springdale, Allegheny Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1905,	.....	.....	3.67	3.32	3.72	7.28	5.72	3.45	3.16	4.14	2.97	3.84	.....
1906,	2.61	1.35	3.47	2.10	2.82	3.89	5.12	7.41	5.25	4.01	1.36	3.31	42.70
1907.	5.87	1.35	6.20	2.30	2.76	4.19	5.09	2.85	4.15	2.82	2.11	3.47	43.16
1908,	2.00	3.01	6.91	3.88	5.88	2.65	3.52	4.16	1.18	0.95	0.66	3.03	37.83
1909,	3.16	4.91	3.83	5.34	2.48	5.28	2.19	2.14	1.56	2.35	1.03	2.53	36.80
1910,	6.36	4.34	0.79	2.97	2.84	2.95	2.14	2.30	4.54	2.20	1.70	2.64	35.77
1911,	4.11	2.34	1.90	5.13	2.34	5.11	1.18	5.80	9.52	5.63	2.80	4.21	50.07
1912,	2.03	1.76	4.95	3.64	2.08	5.92	8.46	3.60	4.18	2.26	1.16	3.44	43.48
1913,	6.45	2.32	5.24	3.26	5.39	1.49	5.12	1.55	2.18	4.21	2.64	2.89	42.74
1914,	2.25	3.53	2.38	4.26	3.21	4.05	2.77	6.68	0.75	2.24	0.97	4.56	37.65
1915,	4.20	2.80	1.28	1.57	4.73	5.69	4.19	4.38	1.34	2.87	2.51	4.13	39.69
Means,	3.90	2.77	3.69	3.43	3.48	4.41	4.14	4.03	3.44	3.06	1.81	3.46	41.62

State College, Center Co.—(Elevation 1,191 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1882,	.....	.....	.....	.....	.....	.....	.....	.....	3.64	2.20	0.96	1.22	.....
1883,	2.69	3.42	1.90	2.08	4.22	6.24	.....	2.18	2.31	2.13	1.49	2.12	.....
1884,	3.27	3.56	4.29	1.73	2.37	1.67	3.08	1.65	.....	.....	1.70	2.17	.....
1887,	1.25	5.15	1.08	2.23	2.11	3.65	4.68	2.10	3.69	0.46	1.44	2.25	30.09
1888,	3.46	1.72	2.85	2.79	6.26	2.61	2.78	6.16	3.12	3.76	2.71	2.07	40.29
1889,	1.97	1.34	2.53	3.65	4.98	5.87	4.68	3.15	3.67	3.36	6.48	3.29	44.97
1890,	2.78	4.31	3.85	3.75	6.77	2.34	2.44	5.46	2.29	5.24	1.46	3.19	43.88
1891,	4.11	5.29	4.07	1.47	1.94	4.24	5.65	5.40	2.20	4.38	2.98	4.08	45.81
1892,	3.98	1.73	3.78	2.09	5.79	7.36	3.26	5.78	2.24	0.28	3.62	1.07	40.98
1893,	1.94	5.71	1.88	5.13	6.46	3.94	4.10	3.14	2.22	3.23	3.04	2.42	43.21
1894,	1.75	3.39	1.14	3.85	9.45	4.60	2.10	2.23	5.78	3.14	1.59	3.14	42.16
1895,	4.18	0.22	1.03	2.23	2.21	6.74	3.11	3.70	1.75	1.03	1.74	2.75	30.69
1896,	1.40	4.10	2.82	1.47	1.37	5.02	5.56	1.56	5.02	3.29	3.11	1.04	35.76
1897,	2.21	3.19	4.53	3.78	4.13	3.03	5.69	3.39	3.60	1.45	5.26	3.18	43.44
1898,	4.40	1.14	5.63	2.29	4.28	3.53	2.95	4.70	0.93	6.51	2.28	3.07	41.71
1899,	2.60	3.42	4.23	1.71	4.77	2.41	2.14	2.76	3.84	1.40	3.06	2.53	34.87
1900,	1.65	3.39	3.81	1.93	2.30	2.54	3.36	2.95	0.63	3.32	4.10	1.77	31.75
1901,	1.82	0.73	3.71	4.62	6.14	2.46	3.60	8.97	2.35	0.40	2.06	6.59	43.45
1902,	3.02	2.92	4.91	3.13	0.92	6.71	5.76	1.37	2.59	4.25	1.44	4.82	41.84
1903,	3.50	3.61	4.18	3.81	1.24	7.28	4.04	6.85	2.61	3.51	1.89	1.67	44.19
1904,	2.72	3.28	4.04	5.42	2.10	4.19	6.30	1.74	1.86	2.18	0.42	1.78	36.03
1905,	3.19	1.23	3.92	2.49	3.74	3.98	3.86	4.28	1.88	2.83	2.65	3.40	37.45
1906.	2.50	1.18	3.77	2.12	1.81	3.00	5.18	4.19	2.69	3.31	1.06	2.91	33.72
1907,	3.82	1.30	4.27	2.75	3.14	4.63	1.47	3.00	6.57	2.91	3.00	3.47	40.33
1908,	2.55	5.19	5.58	3.06	9.02	1.37	4.24	2.68	1.50	1.34	0.81	3.02	40.36
1909,	2.18	4.56	1.89	6.97	3.15	8.96	2.31	4.10	2.89	3.06	0.36	2.92	43.35
1910,	6.90	3.82	0.60	7.08	3.17	3.79	4.06	2.07	6.38	1.73	1.68	3.31	44.59
1911,	3.26	1.63	3.64	3.51	2.42	5.04	1.65	8.27	5.41	6.14	2.28	3.14	46.39
1912,	1.66	2.81	4.46	4.08	4.43	2.03	4.22	3.92	4.53	2.13	2.49	2.32	39.08
1913,	4.79	1.04	4.15	3.00	4.23	2.83	4.81	1.20	2.29	4.66	3.05	2.88	38.93
1914,	2.62	2.67	2.91	5.16	2.81	3.71	2.59	1.72	0.25	2.41	1.02	3.64	31.51
1915,	5.42	3.32	1.04	0.94	3.99	4.56	4.75	4.85	2.66	2.65	1.26	3.23	38.67
Means,	3.02	2.92	3.31	3.24	3.93	4.20	3.81	3.73	3.01	2.86	2.26	2.83	39.12

St. Marys, Elk Co.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	.....	.....	.....	.....	.....	7.47	6.36	2.83	5.15	1.63	3.02	1.76	.....
1897,	1.89	.....	4.21	2.93	3.44	2.13	5.91	2.54	2.85	0.97	4.99	2.97	.....
1898,	.....	1.24	6.90	2.11	3.52	3.19	3.42	.....	.....	5.50	2.90	2.01	.....
1899,	.....	1.47	3.13	0.70	4.77	4.56	3.04	4.09	4.96	3.81	3.17	3.93	.....
1900,	2.29	3.07	.....	0.86	.....	.....	6.18	4.78	2.30	3.88	3.44	1.50	.....
1901,	1.86	1.43	.....	5.92	6.93	4.20	3.85	5.25	3.25	1.45	3.39	4.26	.....
1902,	2.62	4.10	2.39	3.47	2.39	6.56	8.65	1.43	2.23	1.65	0.55	.....	.....
1903,	2.87	3.50	2.50	3.90	1.90	4.90	7.20	4.56	2.34	3.70	5.33	3.35	46.05
1904,	4.50	2.82	4.25	3.25	3.75	3.91	3.82	2.87	4.08	3.10	0.45	1.77	38.57
1905,	2.50	1.25	3.76	3.75	2.48	4.33	4.50	5.60	3.23	5.51	3.07	4.67	44.65
1906,	2.96	0.58	5.26	3.14	3.96	3.53	2.69	5.62	3.51	3.89	1.48	.....	.....
1907,	3.64	.....	.....	2.25	2.20	5.65	.....	1.37	5.55	3.77	2.43	2.84	.....
1908,	2.87	5.25	.....	4.72	8.87	2.60	5.70	2.36	1.21	0.66	1.02	2.68	.....
1909,	3.04	6.89	2.65	5.09	3.07	4.38	3.05	0.38	2.11	3.04	2.29	2.97	38.96
1910,	3.99	2.37	1.05	3.36	3.25	.....	.....	.....	.....	.....	.....	.....	.....
Means,	2.92	2.83	3.61	3.25	3.89	4.42	4.95	3.36	3.29	3.05	2.68	2.89	41.14

Stoyestown, Somerset Co.—(Elevation 1,712 feet)

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1890,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.30	.....
1891,	2.65	5.97	4.41	2.45	3.27	5.34	5.32	3.51	2.39	3.24	2.15	3.02	43.72
1892,	2.17	3.02	3.48	3.12	5.72	4.72	6.98	1.82	1.88	0.98	4.22	2.18	40.29
1893,	3.79	7.22	1.49	4.85	6.14	3.28	3.41	2.91	2.14	4.61	3.36	4.71	47.91
1894,	4.12	4.84	1.48	3.85	8.31	2.44	3.91	1.06	6.39	1.90	3.12	4.57	45.99
1895,	3.37	2.70	3.66	3.04	1.70	3.18	4.30	2.80	0.72	0.59	1.72	.....	.....
Means,	3.22	4.75	2.90	3.46	5.03	3.79	4.78	2.42	2.70	2.26	2.91	3.56	41.78

Stroudsburg, Monroe Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1910,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.77	.....
1911,	2.82	2.55	3.17	3.39	1.65	7.37	5.43	6.95	2.46	6.28	3.72	3.28	49.07
1912,	1.88	2.65	6.71	4.32	4.94	1.60	4.29	6.94	5.56	3.53	3.34	4.52	50.28
1913,	3.19	2.69	6.25	5.02	2.94	0.95	2.31	10.93	4.57	5.73	3.27	3.29	51.14
1914,	3.70	2.22	2.70	4.85	2.74	4.83	6.70	2.67	0.26	1.80	2.54	5.56	40.57
1915,	6.13	6.15	0.68	2.20	3.19	3.20	5.84	9.10	2.65	2.92	2.17	5.04	49.27
Means,	3.54	3.25	3.90	3.96	3.09	3.59	4.91	7.32	3.10	4.05	3.01	4.08	47.80

Summit, Crawford Co.—(Elevation 1,150 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1914,	*3.72	1.91	3.16	5.12	5.01	3.37	2.44	3.61	2.98	3.47	2.22	3.74	40.75
1915,	2.73	3.03	1.37	0.87	3.89	2.86	5.68	6.02	3.09	2.65	3.42	4.51	40.12

Note: *Interpolated. This station maintained and operated by Water Supply Commission of Pennsylvania.

Sunbury, Northumberland Co.—(Elevation 445 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1896,	0.80	.....	3.40	0.57	1.30	2.10	3.27	1.35	2.53	3.28	3.30	1.50	.....
1897,	1.95	2.20	3.45	.....	1.60	2.05	2.88	1.60	1.90	2.00	3.45	2.80	.....
1898,	1.73	0.30	3.00	2.10	4.13	1.68	0.52	3.43	0.65	2.97	.....	1.15	.....
1899,	2.10	2.33	1.96	1.45	3.55	3.60	1.25	3.55	4.95	0.50	2.20	0.95	28.49
1900,	0.60	2.50	.....	0.75	0.55	0.85	1.70	.....	0.19	3.11	.....	1.55	.....
1901,	1.25	0.60	2.10	1.83	.....	.....	1.60	8.70	1.60	1.05	1.00	5.40	.....
1902,	2.30	3.10	4.10	0.90	0.10	6.93	6.40	0.95	2.25	4.70	.....	2.60	.....
1903,	.....	.....	4.10	4.26	0.44	5.85	3.35	2.72	.....	1.44	0.50	2.15	.....
1913,	.....	.....	.....	4.30	2.93	2.48	5.20	2.04	3.18	4.01	1.55	2.74	.....
1914,	3.29	3.46	2.17	5.48	3.29	3.99	4.14	3.24	0.78	1.97	0.99	4.48	37.28
1915,	6.99	3.91	1.60	2.91	3.97	3.24	3.91	6.63	2.15	1.69	1.50	4.22	42.72
Means,	2.33	2.30	2.88	2.46	2.19	3.28	3.11	3.42	2.02	2.43	1.81	2.68	30.91

Note: 1903 is a doubtful record.

Swarthmore, Delaware Co.—(Elevation 190 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	.....	.....	.....	.....	.....	1.32	2.94	6.75	6.43	4.75	4.13	3.65	.....
1889,	4.80	1.92	3.43	3.51	5.84	5.48	8.74	3.52	8.04	5.29	6.74	1.05	58.36
1890,	1.87	3.93	5.20	2.88	5.59	.....	3.67	4.38	2.62	6.16	0.88	2.49	.....
1891,	4.84	4.46	5.78	1.53	2.12	9.30	*5.70	7.54	2.89	3.75	1.62	3.36	*52.89
1892,	4.20	0.43	4.84	1.78	5.00	4.24	3.83	3.31	1.78	0.30	6.12	1.21	37.05
1893,	3.31	5.15	3.31	5.51	3.48	.....	.....	.....	.....	3.35	4.04	3.17	.....
1894,	2.00	3.17	1.34	2.60	9.49	2.93	2.04	2.63	5.50	4.74	2.82	.....	.....
1895,	.....	.....	.....	5.53	2.04	.....	.....	.....	.....	3.15	1.73	2.20	.....
1896,	1.72	6.62	.....	1.93	1.59	4.90	.....	.....	5.35	1.64	3.58	1.00	.....
1897,	2.99	2.91	.....	.....	.....	4.28	10.43	3.34	1.58	2.15	6.15	3.94	.....
1898,	4.08	2.97	3.27	2.71	4.66	1.74	4.95	4.63	1.95	5.35	4.60	3.33	44.24
1899,	3.25	7.10	6.50	1.00	3.30	1.95	4.26	3.00	3.95	.....	2.20	.....	.....
1900,	3.22	.....	3.53	2.00	5.29	3.07	4.52	3.79	6.90	.....	2.20	2.43	.....
1901,	2.31	0.60	.....	4.75	3.38	.....	4.00	8.72	2.25	1.02	2.70	6.97	.....
1902,	3.05	.....	4.02	3.88	.....	5.89	.....	3.94	5.10	7.42	2.00	.....	.....
1903,	.....	4.57	4.62	3.71	4.70	5.27	5.14	7.54	2.72	5.78	1.12	3.70	.....
1904,	.....	2.85	3.20	2.07	2.18	.....	3.55	.....	5.08	4.17	2.39	2.30	.....
1905,	.....	.....	.....	2.90	1.67	1.33	4.30	4.28	4.38	3.72	1.92	4.31	.....
1906,	.....	2.18	4.30	3.12	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	3.20	3.49	4.10	3.02	4.02	3.98	4.86	4.81	4.16	3.92	3.16	3.01	45.73

Note: *Interpolated.

Swiftwater, Monroe Co.—(Elevation 1,600 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1897,	.....	2.83	.....	2.67	6.61	3.35	13.10	8.60	1.86	.....	6.72	5.91	.....
1898,	4.35	3.35	3.73	5.34	.....	.....	3.30	5.70	.....	.....	.....	.....	.....
1899,	.....	.....	.....	.....	1.48	3.08	4.56	4.97	7.30	2.07	2.53	.....	.....
1900,	.....	.....	.....	.....	.....	1.80	4.64	2.31	1.86	2.09	.....	.....	.....

Tioga, Tioga Co. —(Elevation 1,000 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1864,	1.45	0.70	6.30	4.70	10.02	1.85	2.50	5.42	.....	2.30	2.05	2.21	.....
1865,	2.36	1.96	5.30	2.23	4.82	5.42	7.95	2.34	4.00	2.65	2.85	0.51	43.39
1866,	0.80	2.10	1.50	2.47	2.15	3.45	4.15	3.85	6.75	2.25	4.25	2.30	36.02
1867,	1.05	2.55	2.05	4.48	12.40	1.70	3.25	4.60	1.30	2.65	1.33	1.80	39.16
1868,	3.05	1.17	2.05	3.60	5.76	3.17	1.00	3.21	7.90	2.15	4.80	2.05	39.91
1869,	3.15	1.70	3.10	1.95	4.50	4.52	4.55	3.35	6.45	2.60	2.90	4.20	42.97
1870,	4.15	3.50	3.95	8.65	2.20	3.30	6.75	4.05	4.50	3.20	0.75	1.10	46.10
1871,	1.70	1.60	5.45	2.30	2.35	2.80	6.55	6.25	0.25	1.15	1.60	1.30	33.30
1872,	0.90	1.50	1.01	1.45	1.80	7.42	5.20	5.50	.....	7.25	1.80	2.10	.....
1873,	2.92	1.85	5.20	4.67	4.10	3.27	6.05	5.25	3.48	.....	.....	.....	.....
1874,	2.68	5.05	2.07	6.05	0.90	2.70	4.65	3.55	4.41	4.10	2.85	0.78	40.42
1875,	1.00	0.90	1.90	1.75	.....	4.95	2.25	5.10	2.40	.....	0.90	3.95	.....
1876,	0.85	4.60	5.65	1.90	2.95	.....	5.30	0.95	5.45	1.10	2.10	2.20	.....
1877,	2.45	0.83	5.75	1.00	0.95	.....	2.85	2.15	2.70	7.00	1.95	0.62	.....
1878,	3.41	2.40	2.20	.....	5.15	6.95	5.15	3.75	2.00	.....	4.65	4.40	.....
1879,	1.65	2.13	1.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means,	2.10	2.16	3.45	3.37	4.29	3.96	4.54	4.02	3.97	3.20	2.48	2.11	39.65

Towanda, Bradford Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1894,	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.97	1.94	3.07	.....
1895,	1.95	0.50	1.28	1.70	2.56	3.64	2.84	2.49	1.47	1.19	2.22	3.57	25.41
1896,	0.84	3.96	3.88	0.93	2.38	2.17	4.57	2.97	2.73	5.57	2.75	0.57	33.32
1897,	1.21	1.56	2.20	2.30	3.73	2.11	4.81	1.78	2.93	1.17	2.80	2.78	29.38
1898,	2.52	1.48	2.59	3.29	3.56	3.04	3.15	6.84	1.98	5.86	2.91	1.97	39.19
1899,	1.80	2.52	2.55	1.84	2.10	4.52	2.47	5.43	2.03	1.21	3.39	2.82	32.68
1900,	1.36	2.90	3.48	1.31	1.38	3.49	3.49	3.44	0.69	2.83	3.53	1.99	29.89
1901,	0.91	0.45	3.92	4.65	7.58	4.26	3.51	4.79	3.95	1.31	2.43	6.00	43.76
1902,	1.72	3.35	4.07	2.36	1.06	4.86	7.77	2.02	4.58	3.35	1.11	2.95	39.20
1903,	2.62	2.73	3.83	2.37	0.89	5.05	4.85	4.63	1.24	4.98	2.66	2.42	38.27
1904,	2.72	1.06	2.73	2.48	4.89	5.03	3.96	4.32	4.70	3.18	0.69	1.59	37.35
1905,	2.62	0.44	3.20	2.30	1.48	4.72	3.28	4.83	2.97	3.79	1.34	2.56	33.53
1906,	1.22	1.19	4.26	2.61	4.43	4.87	3.51	3.55	2.30	3.55	1.46	2.65	35.60
1907,	2.82	1.10	1.35	2.28	1.92	3.16	2.07	1.13	8.31	3.12	2.30	3.24	32.80
1908,	2.06	3.13	2.86	2.88	5.63	3.09	3.72	2.15	1.18	2.55	0.64	1.99	31.88
1909,	1.85	3.11	1.84	5.23	2.50	2.90	1.01	2.22	1.81	2.50	0.86	2.08	27.91
1910,	3.79	2.68	0.71	5.36	2.56	4.24	2.00	2.08	5.14	0.62	2.45	1.52	33.15
1911,	2.29	2.12	1.77	2.56	2.30	3.12	2.47	3.50	3.37	3.50	0.99	1.76	29.75
1912,	0.68	2.08	2.92	4.87	2.95	1.20	2.99	4.12	6.44	1.97	2.49	1.71	34.42
1913,	3.01	1.34	3.80	3.65	3.09	1.96	2.14	2.44	2.80	3.39	2.51	2.35	32.48
1914,	2.71	2.69	2.56	5.76	4.02	2.91	5.33	4.24	0.95	1.66	1.40	3.43	37.66
1915,	4.99	2.19	0.70	1.67	3.01	3.71	8.98	5.69	1.26	1.83	1.25	2.96	38.24
Means,	2.18	2.03	2.69	2.97	3.05	3.53	3.76	3.56	2.99	2.96	2.01	2.54	34.27

Trafford, Westmoreland Co.—(Elevation 800 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	.....	.....	.....	.....	.....	.....	.....	5.35	0.64	2.90	1.03	4.37	.....
1915,	4.19	2.60	1.17	1.98	4.37	4.30	3.95	*4.02	.....	.....	.....	.....	.....

Note: *Discontinued August 31, 1915. This station maintained and operated by Water Supply Commission of Pennsylvania.

Transfer, Mercer Co.—(Elevation 1,020 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	*3.27	1.75	2.51	5.12	3.86	3.01	2.97	5.48	0.68	2.46	1.38	4.70	37.19
1915,	3.16	3.00	1.25	1.00	2.97	4.57	3.56	5.08	2.67	2.26	1.93	3.89	35.34

Note: This station maintained and operated by Water Supply Commission of Pennsylvania.
*Interpolated.

Tremont, Schuylkill Co.—(Elevation 762 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1900,	3.28	6.16	5.46	1.22	1.91	3.07	9.40	3.66	2.13	3.81	3.63	2.60	46.33
1901,	1.95	0.66	6.73	3.85	6.98	2.27	3.44	9.66	4.04	1.92	2.23	9.18	51.91
1902,	4.14	6.21	7.04	4.87	1.26	8.28	8.20	4.61	8.36	7.14	1.95	7.00	69.06
1903,	4.23	5.78	5.14	5.07	0.89	10.89	8.55	7.49	2.56	5.20	1.44	3.61	60.79
1904,	4.00	3.15	4.26	2.94	5.62	3.96	4.92	5.24	4.28	3.32	1.64	2.54	45.87
1905,	4.98	1.89	6.15	2.03	1.56	2.27	5.17	6.78	5.29	6.42	2.50	4.02	49.06
1906,	3.09	3.13	6.35	4.51	2.47	7.02	3.24	5.44	2.93	3.07	0.66	5.60	47.51
1907,	3.49	2.29	4.26	2.91	2.36	5.03	0.74	4.91	7.13	4.00	3.69	8.18	50.00
1908,	3.25	8.32	4.43	3.25	6.03	1.39	8.69	2.47	2.08	4.30	0.88	3.08	48.17
1909,	3.69	5.94	4.05	5.27	2.99	2.54	1.79	0.43	2.77	3.48	0.94	4.55	38.44
1910,	5.23	4.35	0.64	7.02	7.28	8.66	2.22	4.20	2.64	1.92	4.19	3.50	51.85
1911,	3.69	2.42	3.57	4.24	4.11	3.07	3.78	8.69	4.06	.....	.....	.....	.....
Means,	3.75	4.20	4.84	3.93	3.62	4.87	4.93	5.30	4.02	4.05	2.16	4.90	50.57

Note: This record furnished by M. J. Doyle, Tremont, Pa.

Trout Run, Lycoming Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1898,	.....	3.56	5.32	3.88	5.22	4.98	1.38	8.02	1.59	6.14	2.77	3.81	.....
1899,	2.38	5.43	6.19	1.74	3.91	2.37	1.87	7.81	3.03	1.26	3.75	5.80	45.54
1900,	4.58	3.61	4.10	2.50	2.99	2.52	4.51	1.91	0.75	3.73	5.80	1.96	38.96
1901,	1.43	0.85	3.98	8.19	8.50	4.83	5.66	6.99	4.04	2.24	4.50	6.93	58.14
1902,	5.47	2.70	6.98	4.70	1.43	6.68	5.35	2.76	6.56	3.96	1.19	3.50	51.28
1903,	1.59	3.53	5.56	4.28	1.64	9.73	5.73	5.29	.....	4.65	3.48	2.59	.....
1904,	3.97	1.00	3.88	5.30	4.76	7.76	4.88	3.53	2.95	1.80	0.40	.....	.....
Means,	3.24	2.95	5.14	4.37	4.06	5.55	4.20	5.19	3.15	3.40	3.13	4.10	48.48

Troy, Bradford Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1884,	.....	.....	.....	.....	.....	.....	.....	3.09	0.77	2.07	2.03	3.28	.....
1885,	2.77	1.98	0.03	1.53	.....	.....	1.80	3.61	1.40	5.74	2.67	1.20	.....
1886,	4.18	.....	.....	2.12	.....	2.97	6.28	.....	.....	.....	.....	.....	.....
1888,	.....	.....	.....	1.90	.....	.....	2.80	.....	.....	3.26	2.55	2.88	.....
1889,	2.98	1.92	.....	2.92	3.92	3.44	6.91	0.89	3.22	3.15	5.84	3.06	.....
1890,	1.07	1.91	2.71	2.25	5.68	3.53	1.69	9.57	4.08	5.37	0.70	5.00	43.56
1891,	1.90	1.80	2.09	1.56	1.11	3.27	2.64	3.90	2.47	3.31	*2.70	*4.20	*30.95
Means,	2.58	.....	.....	2.05	.....	.....	3.69	4.21	2.39	3.82	2.75	3.27	.....

Note: *Interpolated.

Trucksville, Luzerne Co.—(Huntsville Intake)—(Elevation 810 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1897,	1.04	0.79	2.83	2.60	4.74	3.84	5.06	4.22	2.02	0.91	4.23	2.98	35.26
1898,	1.51	0.20	1.89	2.18	5.53	3.40	1.73	5.24	2.96	4.17	3.56	2.46	34.83
1899,	1.71	3.45	4.06	2.29	2.26	2.32	2.90	3.45	3.32	0.71	3.59	3.54	33.60
1900,	2.11	3.70	1.74	1.46	4.57	5.06	4.77	2.56	0.72	2.87	2.44	2.18	34.18
1901,	0.84	.....	4.26	3.33	5.64	4.80	4.02	9.74	2.99	1.89	1.54	6.98	.....
1902,	1.47	1.05	5.76	2.88	1.03	3.55	8.77	3.20	7.62	5.97	0.75	5.40	47.45
1903,	2.79	3.32	6.14	3.33	1.13	5.01	4.51	7.03	2.45	5.55	2.17	2.33	45.76
1904,	2.15	1.13	2.92	2.92	3.91	2.80	5.48	4.85	3.52	3.78	1.13	2.05	36.64
1905,	2.85	0.98	5.22	1.89	1.73	3.07	3.83	5.61	4.15	3.93	2.07	3.24	38.57
1906,	1.87	2.16	6.09	4.63	1.93	6.96	6.22	2.75	2.99	3.72	1.82	2.22	43.36
1907,	4.24	0.96	2.02	1.26	1.91	6.38	6.79	2.28	6.00	3.47	3.77	4.84	43.92
1908,	1.69	3.28	4.50	2.43	5.86	2.38	2.96	3.74	1.98	2.13	0.20	2.48	33.62
1909,	2.76	4.86	1.83	5.94	3.45	4.91	2.24	0.66	2.62	2.62	0.64	3.84	36.37
1910,	5.28	2.52	0.87	4.17	4.09	3.90	1.38	2.72	4.40	1.18	3.49	1.81	35.81
1911,	2.90	1.46	2.70	4.12	2.64	7.12	2.93	6.66	3.68	4.33	2.21	2.92	43.67
1912,	1.11	1.89	5.19	5.16	1.79	1.53	2.09	3.00	7.30	2.83	3.88	3.26	39.03
1913,	3.11	1.67	6.32	5.02	3.32	2.04	4.42	1.89	0.79	5.02	2.51	3.09	39.15
1914,	1.49	3.08	2.30	4.54	3.95	3.91	4.26	4.22	1.01	2.14	0.95	3.25	35.10
1915,	5.46	4.12	0.76	2.22	3.60	4.20	3.51	9.19	2.79	1.03	1.23	3.62	41.73
Means,	2.44	2.26	3.57	3.28	3.32	4.06	4.10	4.37	3.33	3.07	2.22	3.29	39.31

Note: This record furnished by The Spring Brook Water Supply Company, Wilkes-Barre, Pa.

Turnerville, Crawford Co.—(Elevation 1,045 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	.....	.....	3.90	4.74	2.78	2.26	3.20	4.54	3.49	4.91	1.57	3.01	.....
1913,	.....	.....	8.88	2.19	2.29	4.59	4.86	1.06	0.85	3.90	2.72	*1.99	.....
1914,	†3.52	1.90	3.12	5.38	4.22	3.94	3.60	6.27	0.87	3.44	1.70	4.09	42.05
1915,	3.08	2.85	1.30	1.19	3.69	3.42	7.00	5.22	2.68	3.29	2.03	4.12	39.87

Note: *Interpolated from Westford. †Interpolated. This station maintained and operated by Water Supply Commission of Pennsylvania.

Union City, Erie Co. —(Elevation 1,200 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	3.93	1.22	2.72	7.46	4.87	1.97	1.47	3.47	1.45	3.08	2.34	3.08	37.06
1915,	2.89	3.20	0.98	1.51	5.10	2.83	7.17	7.24	4.50	3.79	.....	3.07	.....

Note: This station maintained and operated, in co-operation with the Pennsylvania Department of Fisheries, by the Water Supply Commission of Pennsylvania.

Uniontown, Fayette Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	5.69	1.26	3.00	1.42	4.72	4.65	7.10	10.23	2.84	5.16	3.36	2.67	52.10
1889,	2.34	2.43	3.60	4.47	6.93	7.36	4.81	3.86	3.79	3.31	8.90	2.76	54.56
1890,	6.10	4.73	6.27	3.90	8.03	4.33	5.65	8.44	6.73	7.41	2.25	6.84	70.68
1891,	3.41	6.64	4.22	2.18	3.35	8.63	5.75	3.85	2.23	2.99	3.65	4.22	51.12
1892,	4.34	2.62	2.49	3.23	6.48	7.70	7.11	2.40	2.21	1.05	3.50	1.55	44.68
1893,	2.23	4.23	0.98	6.11	5.68	2.34	*2.70	*3.75	1.30	3.22	2.34	4.11	*38.99
1894,	2.88	3.35	2.90	3.56	6.82	1.40	2.77	1.42	5.77	2.41	2.96	5.19	41.43
1895,	4.89	1.39	3.86	4.12	2.07	4.55	5.61	3.76	1.22	1.44	2.87	2.87	38.65
1896,	2.14	3.15	4.61	2.62	3.16	3.12	15.59	2.82	3.78	3.64	3.22	1.61	49.46
1897,	1.93	5.73	*3.63	4.63	4.52	2.98	6.83	2.15	1.92	0.22	6.24	4.30	*45.08
1898,	5.62	1.73	5.26	4.19	3.46	3.27	6.06	6.13	1.54	5.83	3.99	3.64	50.72
1899,	4.28	4.51	5.67	1.37	5.09	3.07	6.44	3.38	8.17	1.76	3.18	3.82	50.74
1900,	2.32	3.96	4.54	1.85	2.72	5.67	6.55	5.20	*1.25	4.15	6.92	2.21	*47.34
1901,	3.00	0.67	4.86	8.55	6.25	7.61	2.38	3.68	4.46	0.46	3.74	7.12	52.78
1902,	2.57	2.66	5.66	5.48	3.10	5.95	6.81	2.63	3.01	3.65	1.59	4.75	47.86
1903,	1.68	4.73	3.84	3.55	2.56	6.03	4.32	3.25	1.21	2.92	2.15	1.81	38.05
1904,	2.83	2.61	4.32	3.72	3.64	2.52	3.29	3.61	1.99	1.27	0.25	1.89	31.94
1905,	3.64	1.36	*4.95	2.84	3.18	5.26	5.21	3.70	2.03	5.56	3.00	5.48	*46.21
1906,	4.35	1.88	5.15	2.41	1.77	3.95	2.00	8.23	2.69	2.87	1.73	5.62	42.65
1907,	6.52	3.17	7.89	2.15	3.64	5.20	6.41	4.80	4.24	3.08	3.83	3.67	54.60
1908,	2.21	4.14	6.84	4.83	5.11	4.16	2.66	4.02	0.63	0.57	0.67	2.91	38.75
1909,	3.70	4.13	3.04	5.73	3.22	5.65	4.03	5.70	1.33	3.44	0.64	2.43	43.04
1910,	7.97	3.44	0.41	2.73	3.86	4.33	2.84	2.24	4.07	1.48	2.51	3.62	39.50
1911,	5.46	2.77	2.36	3.89	1.81	7.16	2.73	8.10	7.00	6.06	3.12	4.05	54.51
1912,	2.08	1.75	6.00	4.75	2.42	4.22	8.19	7.76	6.41	1.85	1.17	2.08	48.68
1913,	7.94	*2.00	4.59	3.05	5.56	4.14	6.55	3.10	2.99	5.03	6.34	3.63	*54.92
1914,	3.33	*3.37	*2.08	6.46	3.45	4.10	2.25	5.63	*0.92	*2.66	*1.24	*5.27	*40.76
1915,	.....	.....	1.28	.....	.....	.....	.....	.....	3.56	3.23	3.37	4.74	.....
Means,	3.91	3.13	4.08	3.84	4.17	4.79	5.28	4.59	3.19	3.10	3.17	3.74	46.99

Note: *Interpolated.

Vandergrift, Westmoreland Co.—(Elevation 840 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.48	.....
1914,	2.34	2.74	2.17	4.46	3.73	4.48	2.61	4.37	0.80	2.33	1.24	4.31	35.58
1915,	4.42	2.71	1.55	1.01	4.20	4.40	4.42	5.22	2.68	2.39	2.33	4.09	39.42

Warren, Warren Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1889,	2.77	1.44	0.77	5.00	3.00	3.86	5.42	3.41	3.67	3.66	3.53	4.47	41.00
1890,	4.34	3.68	3.66	5.09	8.19	4.71	2.24	5.97	8.70	6.62	2.82	2.20	58.22
1891,	2.27	5.88	2.54	1.70	1.97	3.58	12.54	4.74	2.66	3.10	5.79	4.60	51.37
1892,	2.93	3.20	1.46	1.98	9.96	7.91	4.20	4.83	2.52	2.36	3.86	2.36	47.57
1893,	2.76	5.51	3.01	4.10	6.28	4.82	1.79	6.44	1.28	3.53	3.28	5.91	48.71
1894,	3.03	2.89	1.87	3.03	9.21	3.09	2.88	1.31	6.14	3.30	3.64	2.87	43.26
1895,	3.22	0.94	1.42	3.05	2.36	2.70	2.92	4.65	2.12	1.82	5.73	2.61	33.54
1896,	1.32	3.62	3.86	2.69	3.23	4.07	6.38	2.99	6.03	2.72	2.64	1.68	41.23
1897,	2.27	1.53	2.60	3.21	4.20	2.50	6.15	4.09	1.63	0.13	6.60	2.60	37.51
1898,	2.75	1.69	3.82	3.02	4.23	5.95	2.90	7.73	2.63	5.13	4.30	3.17	47.32
1899,	3.40	3.38	4.35	1.64	6.40	2.58	5.73	1.39	7.19	1.44	1.92	6.00	45.42
1900,	4.37	4.66	2.38	2.09	2.16	4.11	6.07	3.63	1.56	2.29	5.85	2.17	41.34
1901,	3.06	1.18	3.66	2.53	3.66	4.62	6.00	8.82	3.59	1.29	5.00	3.10	46.51
1902,	1.26	1.57	1.36	2.51	4.45	5.79	9.90	0.68	4.29	2.89	1.40	4.57	40.67
1903,	2.55	1.80	4.09	3.24	3.68	4.28	6.06	4.46	2.32	3.66	2.71	2.00	40.85
1904,	2.52	2.47	5.94	4.27	7.50	1.95	8.06	3.07	4.28	2.38	1.21	2.20	45.85
1905,	3.47	0.98	4.04	4.09	3.47	6.25	8.84	3.88	3.67	5.13	3.45	3.88	51.15
1906,	1.95	0.58	4.63	2.20	2.07	2.93	3.41	2.67	4.74	5.08	1.32	5.11	36.69
1907,	4.71	0.86	2.97	3.42	4.78	4.69	3.00	2.24	5.26	3.82	2.98	3.00	41.73
1908,	3.14	4.79	3.64	3.86	5.00	4.16	3.40	1.66	1.40	0.52	1.64	2.85	36.06
1909,	3.57	4.56	3.36	6.44	3.46	5.82	2.78	3.32	1.68	2.96	2.40	2.54	42.89
1910,	4.52	3.76	0.82	3.84	3.02	1.98	4.90	2.90	2.92	3.92	5.06	2.74	40.38
1911,	3.82	3.76	3.36	3.92	2.23	4.56	3.20	7.58	6.27	4.85	3.62	2.96	50.13
1912,	2.70	2.54	2.86	5.91	2.78	1.86	4.04	7.48	5.28	3.63	2.50	2.68	44.36
1913,	5.91	2.18	7.25	4.17	3.44	3.07	3.83	3.19	2.54	5.58	3.79	2.02	46.97
1914,	3.18	1.97	3.08	5.40	5.09	2.15	1.74	6.02	1.86	3.53	3.38	3.08	40.48
1915,	2.80	1.93	1.63	1.66	3.67	5.59	7.32	5.00	2.84	2.28	3.14	4.15	42.01
Means,	3.13	2.72	3.13	3.48	4.43	4.06	5.03	4.23	3.67	3.25	3.47	3.24	43.84

Waterville, Lycoming Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	.....	.....	.....	.....	.....	.....	5.05	2.80	0.70	2.60	0.90	3.20	.....
1915,	3.60	3.90	1.40	2.40	3.40	3.90	7.40	6.10	2.60	1.00	1.60	1.50	38.80

Weikert, Union Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1911,	3.03	2.68	2.93	4.00	3.44	2.92	2.05	8.09	6.11	6.23	2.37	3.21	47.06
1912,	1.46	2.89	4.64	5.15	3.32	1.81	2.66	5.48	6.47	2.14	2.90	2.36	41.28
1913,	4.72	2.19	5.08	3.72	4.65	2.04	5.94	1.06	4.42	5.87	2.39	3.10	45.18
1914,	4.49	2.31	2.57	5.08	3.79	4.47	4.40	1.95	0.58	3.13	2.52	4.80	40.09
1915,	7.05	4.15	1.48	2.21	4.27	5.44	.....	5.44	2.41	2.60	2.14	3.84	.....
Means,	4.15	2.84	3.34	4.03	3.89	3.34	3.76	4.40	4.00	3.99	2.46	3.46	43.66

Wellsboro, Tioga Co.—(Elevation 1,327 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1864,	1.45	0.70	6.30	4.70	10.02	1.85	2.50	5.42	.....	2.30	2.05	2.21	.....
1865,	2.36	1.96	5.30	2.23	4.82	5.42	7.95	3.34	4.00	2.65	2.85	0.51	43.39
1866,	0.80	2.10	1.50	2.47	2.15	3.45	4.15	3.85	6.75	2.25	4.25	2.30	36.02
1867,	1.05	2.55	2.05	4.48	12.40	1.70	3.25	4.60	*1.30	2.65	*1.33	1.80	*39.16
1868,	3.05	1.17	2.05	3.60	5.76	3.17	1.00	3.21	7.90	2.15	4.80	2.05	39.91

1869,	3.15	1.70	3.10	1.95	4.50	4.52	4.55	3.35	6.45	2.60	2.90	4.20	42.97
1870,	4.15	3.50	3.95	8.65	2.20	3.30	6.75	4.05	4.50	3.20	0.75	1.10	46.10
1871,	1.70	1.60	5.45	2.30	2.35	2.80	6.55	6.25	0.25	1.15	1.60	1.30	33.30
1872,	0.90	1.50	1.01	1.45	1.80	7.42	5.20	5.50	.....	7.25	1.80	2.10	.....
1873,	2.92	1.85	5.20	4.67	4.10	3.27	6.05	5.25	3.48	.....	.....	.....	.....
1874,	2.68	5.05	2.70	6.05	0.90	2.70	4.65	3.55	4.41	4.10	2.85	0.78	40.42
1875,	1.00	0.90	1.90	1.75	.....	4.95	2.25	5.10	2.40	.....	0.90	3.95	.....
1876,	0.85	4.60	5.65	1.90	2.95	.....	5.30	0.95	5.45	1.10	2.10	2.20	.....
1877,	2.45	0.83	5.75	1.00	0.95	.....	2.85	2.15	2.70	7.00	1.95	0.62	.....
1878,	3.41	2.40	2.20	.....	5.15	6.95	5.15	3.75	2.00	.....	4.65	4.40	.....
1879,	1.65	2.13	1.75	8.38	3.86	6.52	7.68	5.24	2.06	0.44	3.99	4.15	47.85
1880,	8.71	5.52	7.26	7.45	4.65	9.09	12.30	8.05	8.40	5.18	3.82	4.64	85.07
1881,	4.99	9.97	3.74	1.54	5.72	17.47	3.57	1.45	1.80	3.23	3.74	9.57	66.79
1882,	5.62	7.86	7.41	2.50	9.12	9.80	10.57	9.52	5.96	0.79	4.04	4.37	74.86
1883,	7.12	10.78	7.21	6.31	8.81	9.26	10.24	2.86	3.27	2.42	2.54	1.27	72.09
1884,	8.09	10.93	10.08	2.31	9.36	4.88	8.67	1.95	3.20	3.02	7.27	7.37	77.13
1885,	5.81	3.72	2.00	2.51	2.15	2.72	3.77	15.25	2.55	7.50	4.04	5.89	57.91
1886,	2.17	0.95	8.25	10.77	1.51	2.01	4.63	2.79	4.11	1.88	7.71	2.46	49.24
1887,	4.40	5.04	0.66	3.44	3.70	3.96	7.03	2.61	2.42	2.54	2.35	2.35	40.50
1888,	3.70	4.54	3.60	2.49	3.16	3.90	3.50	5.76	1.75	6.69	3.68	5.91	48.68
1889,	7.02	2.98	3.24	8.15	3.45	10.04	3.06	0.83	2.71	5.61	9.07	3.93	60.09
1890,	1.98	2.28	6.03	4.03	7.80	5.14	2.65	6.89	4.39	4.69	0.93	4.97	51.78
1891,	6.53	3.46	2.72	1.07	1.30	4.07	3.43	3.57	2.30	2.44	4.11	4.01	39.01
1892,	3.67	2.21	4.56	0.61	6.69	8.84	2.15	4.73	1.18	0.33	2.55	0.40	37.92
1893,	4.92	6.55	5.09	5.38	6.58	1.42	2.50	4.59	2.03	2.88	3.00	4.21	49.15
1894,	2.25	2.25	0.24	8.69	10.23	1.89	3.88	2.05	5.85	3.81	3.06	4.07	48.27
1895,	3.00	0.85	2.90	2.21	6.44	3.50	3.22	4.65	1.12	1.62	2.67	6.55	38.73
1896,	1.50	4.34	3.00	0.91	1.87	3.92	5.67	0.88	3.03	5.40	0.82	0.95	32.29
1897,	2.23	2.30	3.55	2.55	5.53	2.85	5.46	1.84	3.40	0.67	5.21	3.09	38.68
1898,	1.72	1.33	4.78	4.43	4.70	2.70	2.04	5.13	2.24	8.62	2.83	2.68	43.20
1899,	3.42	2.54	2.75	3.07	2.15	4.09	3.37	3.49	2.97	2.63	2.90	3.78	37.16
1900,	3.04	4.90	2.90	1.22	2.50	2.90	2.90	3.67	0.55	5.01	6.11	0.97	36.67
1901,	1.27	0.80	2.53	4.46	4.23	4.17	2.27	5.04	2.14	0.39	3.59	5.66	36.55
1902,	1.54	2.70	2.67	2.86	2.05	6.17	9.48	1.29	3.32	2.14	0.50	5.18	39.90
1903,	1.86	3.55	5.19	2.76	2.12	4.87	5.27	3.37	1.10	5.68	2.42	1.35	39.54
1904,	2.95	*2.44	*3.58	*3.25	*4.30	*3.19	*3.26	*3.39	*2.71	*2.35	*0.48	*1.62	*33.52
1905,	*2.64	*0.66	*3.15	*2.34	*1.68	*4.79	*3.70	*4.08	*2.71	*3.13	*1.93	*3.57	*34.38
1906,	*1.20	0.60	*4.21	1.17	4.22	2.96	2.19	4.07	3.04	4.06	0.99	2.04	*30.75
1907,	2.35	0.80	1.72	3.28	2.15	4.39	2.14	1.17	5.58	2.76	2.52	2.93	31.79
1908,	2.28	3.83	3.86	3.16	5.19	1.93	4.12	3.53	1.37	1.76	1.07	2.26	34.36
1909,	1.96	3.52	1.79	6.13	2.62	4.61	0.96	1.51	2.64	2.21	0.94	1.96	30.85
1910,	4.23	3.18	0.61	6.41	4.27	1.95	2.41	2.47	3.98	0.99	2.13	1.55	34.18
1911,	1.73	2.21	1.98	2.27	1.83	2.65	1.29	5.57	3.88	2.85	1.92	1.90	30.08
1912,	0.84	2.76	4.09	4.38	4.19	2.15	3.01	4.53	5.39	1.72	2.15	2.26	37.47
1913,	4.56	1.34	4.76	3.22	3.56	*2.98	*3.34	*2.15	*3.45	6.50	*2.41	*1.48	*39.75
1914,	2.25	2.22	2.22	4.04	*4.07	2.60	4.02	4.35	0.82	2.82	1.44	3.07	*33.92
1915,	6.46	2.23	0.94	0.57	2.84	4.08	4.41	4.43	2.49	2.67	1.27	2.54	34.93
Means,	2.62	2.42	3.26	3.58	3.93	3.84	3.90	3.62	3.07	3.08	2.64	2.68	38.64

Notes: *Interpolated. Portions of each year 1880 to 1885 questionable and not used in computing means.

West Bingham, Potter Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914, ...	.....	.....	.....	.....	.....	d1.84	3.95	4.69	1.93	2.72	1.59	2.78	.....
1915, ...	4.93	2.25	0.78	0.76	3.56	3.74	5.76	4.37	2.65	3.62	1.76	4.30	38.48

West Chester, Chester Co.—(Elevation 461 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1817,	.....	.....	.....	.....	.....	5.50	2.55	7.05	4.20	2.07	5.85	3.60	.....
1818,	2.10	2.00	3.70	2.77	8.80	4.60	8.25	4.70	4.40	1.20	3.45	1.86	47.83
1819,	1.10	4.00	4.35	2.60	4.75	1.80	3.47	4.20	1.95	1.50	1.40	.....	.....
1820,	.....	.....	1.30	2.10	7.90	3.40	4.30	2.90	4.10	10.10	3.80	3.60	.....
1821,	4.30	3.90	1.60	3.45	7.20	4.15	4.00	1.90	7.90	5.40	5.30	3.50	52.60
1822,	2.30	4.30	2.40	3.20	3.50	2.35	3.60	2.20	4.50	2.50	7.00	1.45	39.30
1823,	4.10	1.70	6.90	1.90	4.05	2.15	6.00	5.25	5.00	2.50	2.55	9.30	51.40
1824,	5.01	4.95	3.50	5.30	2.50	6.00	6.90	5.40	6.20	2.00	2.30	3.95	54.01
1825,	2.50	4.70	5.70	1.40	2.80	5.80	2.50	6.10	2.40	2.10	0.90	5.40	42.30
1826,	1.40	2.50	5.30	3.80	0.70	8.10	2.55	2.60	4.20	5.20	2.40	1.20	39.95
1827,	2.90	4.50	2.50	3.80	3.50	3.95	4.50	6.30	0.80	6.50	5.50	4.70	49.45
1843,	2.13	2.50	2.69	4.25	3.50	2.25	4.81	9.31	4.37	3.01	5.31	2.38	46.50
1844,	4.20	1.51	3.69	1.19	3.56	4.06	1.87	1.63	3.88	4.53	2.64	1.88	33.37
1845,	2.88	3.87	2.00	1.26	1.56	3.87	3.44	3.43	2.44	3.50	3.94	3.37	35.56
1846,	3.25	1.06	4.06	2.44	4.37	3.25	5.62	4.50	1.12	2.00	6.87	2.88	41.46
1847,	3.50	3.51	3.87	0.88	2.25	2.25	6.12	4.50	6.75	2.87	3.00	3.37	42.87
1848,	1.87	0.88	2.75	1.70	4.62	2.38	4.93	1.01	3.00	5.50	2.75	1.88	33.27
1849,	0.81	2.65	4.54	1.47	4.48	2.86	2.31	6.02	0.48	8.66	2.50	6.24	43.02
1850,	4.52	4.14	4.47	2.69	5.56	3.47	6.29	6.81	7.57	0.97	2.65	4.65	53.79
1851,	1.59	4.17	2.97	4.91	5.70	3.17	4.69	2.61	1.07	3.87	3.59	2.43	40.77
1852,	1.36	2.45	3.81	5.07	3.18	4.37	2.84	7.15	2.20	2.21	7.24	5.42	47.30
1853,	1.59	5.35	1.98	3.65	5.53	1.06	6.89	2.96	4.33	4.02	2.03	1.42	40.81
1854,	3.49	6.17	1.30	6.58	5.56	2.71	4.30	3.02	3.41	1.60	3.37	3.41	44.92
1855,	2.41	2.36	1.66	2.30	4.30	9.32	4.06	2.48	3.92	5.35	2.01	6.41	46.58
1856,	2.46	1.17	1.74	3.36	3.06	1.84	2.49	5.46	4.91	1.18	2.96	3.66	34.29
1857,	2.66	1.38	1.55	5.65	5.80	6.59	1.77	8.26	1.03	3.71	1.51	5.69	45.60
1858,	3.09	1.65	0.83	.....	.....	.....	.....	.....	1.91	1.14	6.01	.....	.....
1859,	6.74	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1860,	3.37	2.61	1.24	3.65	4.68	2.15	1.43	9.15	5.11	7.10	6.83	4.17	51.49
1861,	4.15	1.75	3.16	4.12	5.60	1.87	2.51	2.81	3.07	3.63	4.35	1.67	38.69
1862,	4.12	4.60	2.78	3.64	1.15	7.52	2.98	1.24	4.02	3.40	5.77	1.55	42.77
1863,	4.82	3.92	6.83	6.47	4.19	1.75	8.29	1.68	1.92	3.75	2.85	6.52	52.99
1864,	1.78	0.47	5.15	5.22	7.47	3.64	1.97	2.87	5.59	3.02	4.35	3.66	45.19
1865,	3.22	4.76	5.58	2.47	6.24	8.13	6.91	2.74	6.62	4.38	3.08	5.79	59.92
1866,	2.94	6.11	1.22	3.14	4.73	4.40	1.54	2.73	8.40	3.77	2.85	4.26	46.09
1867,	2.25	4.69	5.52	2.20	8.85	8.16	3.24	10.63	1.07	3.89	1.84	2.79	55.13
1868,	4.20	2.37	3.67	5.48	6.58	3.95	5.68	2.95	9.15	1.57	6.00	3.30	54.90
1869,	4.88	3.96	4.62	3.20	5.40	3.25	4.22	0.55	4.48	7.19	4.29	4.94	50.99
1870,	4.48	4.18	5.15	8.34	4.92	5.69	3.85	8.27	3.25	4.77	2.03	2.22	57.15
1871,	3.52	3.65	5.85	1.85	2.60	5.88	7.18	6.04	2.32	4.78	5.43	1.83	50.93
1872,	1.86	0.67	3.67	2.49	2.55	4.91	5.14	8.58	3.37	5.26	4.34	3.83	46.67
1873,	5.19	5.17	3.09	4.96	6.12	0.96	5.85	6.76	6.29	6.86	4.34	1.54	57.13
1874,	4.47	2.98	1.91	8.67	3.37	2.23	4.53	4.50	5.26	4.35	3.20	2.20	47.67
1875,	3.84	4.22	5.12	2.72	2.09	4.96	3.84	9.67	3.12	2.11	6.10	4.35	52.14

West Chester, Chester Co.—Continued

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1876,	2.30	4.56	7.49	2.11	4.26	2.32	7.21	1.32	12.33	2.50	4.90	2.76	54.06
1877,	4.15	2.55	5.86	3.10	0.83	5.08	6.65	1.42	5.07	8.06	8.11	2.05	52.93
1878,	5.22	4.00	3.71	3.89	4.32	4.16	4.35	2.90	3.06	3.22	3.83	5.84	48.50
1879,	2.88	2.62	2.73	5.19	1.38	4.13	2.60	6.10	2.20	0.60	1.63	6.13	38.19
1880,	2.82	3.01	4.71	3.69	1.35	1.91	6.90	3.18	1.49	2.28	2.90	6.65	40.89
1881,	5.18	5.99	6.36	1.10	2.59	5.60	1.77	0.94	1.53	3.00	3.08	4.39	41.53
1882,	6.38	4.95	4.61	2.36	6.94	1.50	2.80	4.38	7.23	1.15	1.42	1.98	45.70
1883,	4.52	5.45	3.62	3.52	2.71	5.72	2.54	5.20	3.64	4.45	2.30	4.63	48.30
1884,	7.32	7.29	6.09	2.94	3.64	7.52	5.27	2.12	0.42	2.56	4.36	7.05	56.58
1885,	4.65	6.39	1.34	2.20	4.07	1.26	0.93	9.51	1.49	6.25	4.71	4.18	46.98
1886,	5.98	6.22	4.87	3.80	7.00	4.30	6.31	1.27	1.10	3.06	4.48	4.88	53.27
1887,	3.95	5.55	3.66	3.51	4.06	6.72	11.27	2.94	5.67	1.76	2.13	6.81	58.03
1888,	5.89	4.97	6.39	2.48	4.11	1.79	4.47	3.96	7.50	3.11	3.94	4.97	53.58
1889,	4.78	2.46	5.44	5.46	5.78	5.38	12.49	4.43	9.95	4.97	9.91	1.95	73.00
1890,	2.60	5.41	6.77	3.15	6.42	2.42	6.27	5.87	4.07	6.28	1.23	3.94	54.43
1891,	6.56	5.92	8.33	2.32	3.75	4.17	10.11	8.85	4.30	3.40	2.29	4.00	64.00
1892,	5.80	1.31	5.89	2.60	6.37	3.55	5.87	3.50	2.03	0.36	6.05	2.39	45.72
1893,	2.77	6.13	2.40	5.02	4.18	2.59	2.60	3.65	2.58	3.45	4.76	3.16	43.29
1894,	1.60	4.66	1.67	3.81	13.82	3.74	3.86	1.86	6.84	5.89	2.78	4.23	54.76
1895,	4.95	1.61	3.44	5.37	3.30	2.47	1.73	2.28	0.62	2.58	1.55	3.13	33.03
1896,	1.87	6.77	5.42	1.49	1.58	5.84	3.54	0.95	6.91	2.14	4.17	0.59	41.27
1897,	2.33	5.00	2.55	3.06	7.47	2.43	9.91	2.58	1.27	2.61	5.08	4.21	48.50
1898,	4.21	3.74	3.13	3.07	6.94	3.55	5.43	4.76	1.74	5.15	6.82	4.46	53.00
1899,	4.71	6.95	7.38	2.02	2.63	1.96	2.94	4.38	6.55	1.91	2.60	2.17	46.20
1900,	3.76	6.38	4.00	2.39	6.57	3.62	5.15	5.78	3.26	2.03	2.00	2.50	47.44
1901,	3.02	0.88	4.93	6.18	4.61	1.32	6.65	8.52	3.99	1.92	3.14	8.59	53.75
1902,	4.06	7.18	4.65	4.63	1.60	6.75	3.61	4.12	7.00	7.92	2.60	7.95	62.07
1903,	4.91	4.66	4.09	4.53	2.76	7.75	5.92	6.16	2.78	6.06	1.40	4.19	55.21
1904,	3.82	2.53	4.31	2.34	5.19	4.37	3.65	5.92	7.05	5.47	3.31	3.02	50.98
1905,	5.00	2.78	4.23	3.86	3.35	2.65	3.86	7.30	4.50	4.90	2.18	3.37	47.98
1906,	3.76	3.13	5.61	3.66	4.21	7.35	7.15	7.47	1.34	5.85	2.13	5.61	57.27
1907,	4.16	2.57	3.31	2.65	4.93	7.01	4.10	2.38	7.30	4.62	6.81	5.72	55.56
1908,	3.01	5.77	3.48	2.54	5.34	4.04	4.03	5.40	2.23	2.15	1.19	3.41	42.59
1909,	3.21	5.04	4.20	3.16	2.63	3.49	0.96	1.80	3.02	1.11	2.50	4.51	35.63
1910,	5.36	3.77	0.52	5.50	3.42	7.28	2.92	6.46	2.58	3.14	4.33	2.34	47.62
1911,	3.79	2.66	3.05	4.23	1.17	5.51	3.40	12.35	3.91	4.23	4.84	3.75	52.89
1912,	2.31	2.70	8.12	3.52	3.48	3.15	4.11	4.73	4.20	4.25	4.08	5.50	50.15
1913,	4.43	2.13	5.01	8.80	5.87	2.03	2.90	5.31	3.29	5.87	2.74	2.99	51.37
1914,	4.16	3.00	2.01	3.21	1.57	3.64	10.66	2.16	0.29	1.64	2.41	6.28	41.03
1915,	6.82	6.30	1.70	2.20	5.59	4.80	2.99	9.09	1.81	2.89	1.85	5.03	51.07
Means,	3.74	3.94	4.00	3.67	4.50	4.18	4.65	4.71	4.00	3.75	3.70	4.05	48.89

Note: 1843-48 record taken at West Marlborough. This record probably does not include snowfall, and has not been included in the means. 1849-59 record taken at Chromedale, 2 miles south of West Chester.

Westford, Crawford Co.—(Elevation 1,100 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1913,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.83	.....
1914,	3.35	1.94	2.90	4.86	4.40	3.37	2.64	4.45	0.99	2.73	2.30	4.26	38.19
1915,	2.96	3.23	1.06	0.97	3.53	2.95	6.70	4.09	2.76	2.48	2.56	4.02	37.31

Note: This station maintained and operated by Water Supply Commission of Pennsylvania.

West Marlborough, Chester Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1843,	2.13	2.50	2.69	4.25	3.50	2.25	4.81	9.31	4.37	3.01	5.31	2.38	46.50
1844,	2.93	1.51	3.69	1.19	3.56	4.06	1.87	1.63	3.88	4.53	2.64	1.88	33.37
1845,	2.88	3.87	2.00	1.26	1.56	3.87	3.44	3.43	2.44	3.50	3.94	3.37	35.56
1846,	3.25	1.06	4.06	2.44	4.37	3.25	5.62	4.50	1.12	2.00	6.87	2.88	41.46
1847,	3.50	3.51	3.87	0.88	2.25	2.25	6.12	4.50	6.75	2.87	3.00	3.37	42.87
1848,	1.87	0.88	2.75	1.70	4.62	2.38	4.93	1.01	3.00	5.50	2.75	1.88	33.27
1849,	0.44	0.63	3.06	0.50	4.00	3.37	1.50	7.25	0.88	5.12	2.25	3.38	32.38
1850,	4.00	2.50	1.00	0.81	6.37	1.63	7.75	4.70	6.13	0.88	3.16	4.00	42.93
1851,	0.94	2.94	1.87	3.70	4.56	3.88	2.25	3.87	0.79	1.69	3.94	0.40	30.83
1852,	0.65	1.25	1.81	1.25	3.00	2.69	3.70	8.31	3.10	2.06	6.38	4.50	38.70
1853,	1.56	3.07	1.50	4.63	5.06	2.44	5.62	3.25	2.56	3.12	2.79	0.94	36.54
1854,	3.06	5.56	1.13	4.44	4.62	4.13	4.25	1.56	3.37	1.50	3.56	2.70	39.88
1855,	2.87	2.88	1.70	2.19	3.60	10.27	5.78	4.92	3.19	9.50	2.06	5.46	54.42
1856,	2.37	1.01	1.00	3.80	4.36	1.35	2.63	9.00	4.35	1.31	2.65	4.97	38.80
1857,	1.75	0.74	0.70	4.43	7.02	9.18	2.35	5.91	1.73	4.75	1.37	7.00	46.93

Note: This record is given as it was found printed in a West Chester journal, but it bears internal evidence that it is not a full record for the first months of the year, particularly, and it probably does not contain any record or measurement of snowfall.

West Newton, Westmoreland Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1891,	*3.00	6.45	3.49	1.86	4.16	4.41	5.12	1.98	1.35	2.11	1.79	3.59	*39.31
1892,	3.33	0.87	2.24	3.32	4.35	5.32	4.09	1.34	2.25	0.49	3.13	2.20	32.93
1893,	3.14	5.68	0.99	5.55	5.54	2.77	2.22	3.53	1.39	2.54	1.27	3.31	37.93
1894,	2.39	3.87	2.16	3.15	4.24	1.75	1.72	0.46	3.20	1.82	2.10	4.87	31.73
1895,	3.96	0.80	2.10	3.54	2.11	2.58	3.19	3.53	0.69	0.72	3.17	3.18	29.57
1896,	1.93	2.87	4.53	2.68	2.67	4.21	11.46	6.53	4.41	2.89	2.49	1.62	48.29
1897,	1.92	4.63	4.58	3.60	3.08	2.60	4.51	1.89	2.17	0.05	5.52	2.97	37.52
1898,	5.60	1.98	5.77	1.91	4.12	2.67	3.21	6.04	2.84	4.43	2.87	2.10	43.54
1899,	3.94	3.96	4.94	1.47	4.81	2.74	4.27	2.84	3.38	0.53	4.06	2.85	39.79
1900,	2.54	3.56	3.83	1.65	3.59	3.15	4.57	1.90	0.54	2.62	4.91	1.93	34.79
1901,	1.79	0.78	3.25	8.69	4.60	4.81	4.02	3.56	2.05	0.47	2.17	5.23	41.42
1902,	2.67	2.40	4.12	4.33	1.76	4.52	6.82	1.42	1.52	5.25	1.27	6.02	42.10
1903,	3.52	5.67	4.80	3.03	1.90	6.48	6.06	3.95	1.74	3.15	2.30	2.36	44.96
1904,	3.30	3.04	4.63	4.52	3.42	4.56	3.94	2.75	1.11	1.58	0.19	3.32	36.36
1905,	2.90	2.10	4.66	3.44	2.94	7.66	7.74	3.30	2.96	3.92	2.59	4.02	48.23
1906,	2.14	1.23	3.33	1.84	1.71	5.59	4.22	8.60	1.84	3.22	0.74	3.44	37.90
1907,	6.08	1.74	6.65	2.00	2.85	4.28	4.54	4.34	5.14	2.00	1.87	3.34	44.83
1908,	2.68	3.13	7.26	3.47	4.32	2.44	4.46	1.74	0.96	0.72	1.01	3.18	35.37
1909,	3.32	5.00	3.16	5.32	2.81	3.30	2.57	7.76	1.34	2.99	0.65	2.47	40.69
1910,	6.93	3.38	0.34	2.88	3.00	4.46	1.74	3.40	4.06	1.35	1.70	3.82	37.06
1911,	4.64	2.78	1.97	4.35	1.55	3.14	2.20	5.71	7.61	4.52	2.90	3.40	44.77
1912,	2.41	1.07	6.55	4.43	3.01	3.81	12.65	4.51	6.51	1.88	1.29	2.68	50.80
1913,	5.86	2.16	3.72	3.10	5.82	2.80	6.10	3.80	1.72	4.46	2.95	2.53	45.02
1914,	2.50	4.23	2.13	4.66	2.36	4.23	1.31	3.44	1.34	3.11	1.16	6.48	36.95
1915,	4.62	3.39	1 56	1.23	5.94	3.83	5.81	3.34	1.94	3.33	2.84	3.91	41.74
Means,	3.48	3.07	3.71	3.44	3.47	3.92	4.74	3.67	2.56	2.41	2.28	3.39	40.14

Note: *Interpolated.

Westtown, Chester Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1887,	.....	.....	.....	.....	.....	.....	.....	2.85	.....	4.98	1.36	5.41	.....
1888,	5.11	5.43	3.13	.....	2.88	2.23	3.63	3.14	5.63	5.37	.....	4.08	.....
1889,	3.51	1.72	.....	.....	.....	.....	.....	.....	.....	5.37	8.13	1.23	.....
1890,	0.37	2.39	4.68	.....	5.90	2.83	.....	.....	3.60	5.75	0.97	3.30	.....
1891,	5.64	4.14	5.38	.....	3.04	4.52	.....	.....	.....	.....	0.92	3.24	.....
1892,	5.32	1.66	4.08	.....	7.23	0.73	.....	.....	2.38	0.30	5.41	2.27	.....
1893,	2.40	3.95	.....	.....	3.15	1.30	.....	.....	1.35	.....	.....	3.07	.....
1894,	1.39	3.99	1.60	.....	13.40	4.08	.....	.....	5.83	5.58	2.85	4.36	.....
1895,	.....	1.02	.....	.....	3.34	3.74	.....	.....	0.67	3.41	1.42	2.68	.....
1896,	.....	7.21	4.78	.....	1.51	.....	.....	.....	6.97	2.40	c2.98	.....	.....
1897,	2.64	4.52	.....	.....	.....	.....	.....	.....	.....	2.42	4.79	.....	.....
1898,	3.91	3.25	2.88	.....	6.31	2.94	.....	.....	.....	4.75	6.06	.....	.....
1899,	4.98	5.38	.....	.....	.....	.....	.....	.....	.....	1.56	2.92	.....	.....
1900,	2.43	5.78	3.09	.....	5.87	.....	.....	.....	f3.38	2.87	0.95	.....	.....
1901,	3.08	0.76	4.43	.....	3.16	k1.29	.....	.....	h2.11	1.28	2.94	i6.25	.....
1902,	4.08	5.98	2.81	.....	1.55	.....	.....	.....	.....	.....	.....	.....	.....
Means,	3.45	3.81	3.69	.....	4.78	2.80	.....	.....	3.78	3.54	3.21	3.40	.....

White Haven, Luzerne Co.—(Elevation 1,150 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1895,	.....	.....	1.79	4.24	2.75	2.22	2.16	2.87	1.84	2.67	2.95	5.39	.....
1896,	0.79	4.25	5.70	1.00	2.78	3.83	7.60	2.44	3.71	4.08	5.49	0.92	42.59
1897,	1.80	1.73	2.22	3.99	6.49	2.32	6.49	3.48	1.25	1.75	4.94	4.20	40.66
1898,	3.07	1.56	3.62	3.63	6.72	2.70	3.35	6.15	1.01	5.70	4.18	2.51	44.20
1899,	2.15	4.67	4.12	1.28	.....	.....	.....	.....	.....	.....	.....	.....	.....
1906,	.....	.....	.....	.....	.....	6.56	3.26	3.35	3.24	5.01	2.84	4.00	.....
1907,	3.13	2.78	2.44	1.73	2.07	6.38	2.40	.....	.....	.....	.....	.....	.....
1914,	.....	.....	.....	.....	.....	.....	10.08	3.29	0.79	2.05	1.49	3.89	.....
1915,	5.48	4.77	1.20	3.85	4.40	2.10	5.87	8.83	1.71	1.44	2.05	4.66	46.36
Means,	2.74	3.29	3.01	2.82	4.20	3.73	5.15	4.34	1.94	3.24	3.42	3.65	41.53

Wilkes-Barre, Luzerne Co.—(Elevation 575 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1883,	.....	.....	.....	.....	.....	8.52	7.08	0.88	3.19	3.12	1.45	1.99	.....
1884,	3.41	3.48	4.95	2.46	3.97	2.68	4.62	2.90	.....	3.16	3.30	4.53	.....
1885,	5.18	3.27	0.90	2.56	2.66	2.51	3.01	7.92	1.20	4.65	5.15	2.68	41.69
1886,	4.26	2.52	4.10	2.19	7.04	2.95	3.75	.....	4.77	2.82	5.80	2.27	.....
1887,	3.25	4.70	1.73	2.16	.....	6.06	8.76	4.15	1.48	.....	1.73	3.61	.....
1888,	.....	.....	.....	2.49	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889,	.....	.....	.....	.....	.....	.....	.....	.....	5.79	3.16	6.39	2.72	.....
1890,	1.97	3.00	4.89	2.62	6.84	5.07	5.78	5.44	2.42	4.85	1.29	3.95	48.12
1891,	4.59	4.00	3.67	2.28	1.53	2.88	4.48	3.46	1.80	1.63	2.54	4.38	37.24
1892,	7.02	1.11	6.41	1.55	5.89	10.55	4.71	5.56	2.51	0.72	4.37	1.53	51.93
1893,	3.34	7.23	3.83	3.27	4.15	1.43	3.00	3.76	3.74	1.70	2.97	4.07	42.49
1894,	1.63	4.50	1.68	3.41	8.56	1.78	0.74	1.14	5.05	5.53	2.29	3.66	39.97
1895,	3.43	2.32	2.94	2.71	4.16	2.89	2.59	4.95	1.59	2.51	1.37	4.13	35.59
1896,	1.14	6.17	6.31	1.06	3.17	2.40	6.20	2.99	2.26	2.74	3.44	1.08	38.96
1897,	1.40	2.06	3.78	3.34	5.81	3.72	3.76	2.57	1.49	1.47	4.35	3.80	37.55
1898,	2.90	0.96	2.76	2.46	6.04	3.29	2.33	5.16	3.44	2.36	3.90	1.95	37.55
1899,	3.21	4.48	4.49	1.37	2.07	2.82	3.91	2.67	4.29	1.29	2.70	1.72	35 02
1900,	1.98	3.21	2.91	1.01	3.81	3.39	5.74	3.16	0.52	2.59	3.05	3.02	34.39
1901,	2.10	0.75	3.81	3.11	5.36	2.48	2.74	7.23	1.64	2.55	1.23	5.98	38.98
1902,	2.23	5.60	3.19	1.58	0.98	6.10	5.01	1.89	6.82	4.29	1.14	4.95	43.78
1903,	2.09	4.13	4.33	3.07	1.12	8.38	4.42	7.13	2.16	4.88	1.98	3.06	46.75
1904,	2.86	1.59	3.62	2.34	2.15	2.95	5.83	5.58	3.34	3.68	1.18	3.38	38.50
1905,	4.57	1.86	4.34	2.03	1.39	2.54	3.57	4.40	3.04	3.32	1.44	3.18	35.68
1906,	1.17	3.45	4.50	3.50	1.89	6.35	3.87	1.62	3.33	3.84	1.89	3.49	38.90
1907,	2.86	1.75	3.19	1.55	1.58	3.56	5.08	*2.20	6.50	2.50	2.95	5.66	*39.38
1908,	1.60	5.91	3.94	2.59	3.79	1.87	2.92	2.93	1.11	2.27	1.14	2.38	32.45
1909,	2.88	4.23	2.47	5.27	3.19	4.08	1.24	1.26	1.84	2.57	0.88	3.16	33.07
1910,	3.83	5.31	*1.00	3.88	3.36	3.14	1.59	2.85	5.44	0.94	2.76	*1.90	*36.00
1911,	2.47	1.37	1.83	2.37	0.91	6.18	2.13	6.83	2.94	3.88	2.12	1.98	35.01
1912,	1.13	1.29	4.49	3.66	1.96	1.68	1.87	3.17	7.85	2.46	2.73	2.86	35.15
1913,	2.45	1.80	4.44	5.42	3.09	2.78	5.69	1.75	4.70	4.76	2.26	2.16	41.30
1914,	1.51	2.01	2.32	3.98	4.18	3.04	6.15	7.20	0.93	1.53	0.86	3.62	37.33
1915,	4.47	3.99	0.70	1.76	3.23	3.42	4.49	6.76	2.61	1.24	1.41	3.76	37.78
Means,	2.90	3.27	3.45	2.68	3.58	3.92	4.10	3.98	3.22	2.87	2.56	3.21	39.74

Note: *Interpolated.

Wilkes-Barre, Luzerne Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1899,	2.52	4.67	3.30	1.37	2.07	2.82	3.91	2.67	4.29	1.29	2.70	1.54	33.15
1900,	1.98	3.21	2.91	1.01	3.81	3.40	5.74	3.16	0.52	2.59	3.05	3.02	34.40
1901,	2.10	0.75	3.81	3.11	5.36	2.48	2.74	7.23	1.64	2.55	1.23	6.00	39.00
1902,	2.23	5.60	3.19	1.58	0.98	8.00	5.23	1.89	6.82	4.29	1.14	4.95	45.90
1903,	2.09	4.13	4.33	3.07	1.12	8.38	4.42	7.13	1.96	4.88	1.98	3.06	46.55
1904,	2.86	1.59	3.65	2.34	2.15	2.95	5.83	5.58	3.34	3.68	1.18	3.38	38.53
1905,	4.87	1.86	4.75	2.03	1.39	2.54	3.57	4.40	3.04	3.32	1.44	3.18	36.39
1906,	1.17	3.45	4.50	3.50	1.89	6.35	3.87	1.62	3.33	3.84	1.89	3.84	39.25
1907,	2.86	1.75	3.19	1.55	1.58	3.56	5.08	2.10	6.50	2.50	2.95	4.72	38.34
1908,	1.60	5.91	3.94	2.59	3.79	1.87	2.92	2.93	1.11	2.27	0.51	2.38	31.82
1909,	2.88	4.24	1.28	5.27	3.19	4.08	1.79	0.32	1.54	2.50	1.05	3.16	31.30
1910,	3.80	5.40	0.49	3.88	3.36	3.14	1.59	2.85	5.44	0.94	2.76	1.90	33.85
1911,	2.67	1.90	1.99	2.85	2.26	4.90	2.88	6.84	2.90	4.00	1.86	2.42	37.47
1912,	1.16	1.22	4.68	3.99	1.87	1.60	1.73	3.08	7.44	2.61	2.79	3.53	35.70
1913,	2.65	1.77	4.99	4.91	2.50	2.43	5.44	1.52	4.70	4.60	2.18	2.47	40.16
1914,	1.61	2.07	2.58	4.00	3.86	3.08	5.62	7.04	0.91	1.45	0.78	3.21	36.21
1915,	3.92	3.83	0.59	1.73	3.83	3.37	4.24	6.24	2.65	1.08	0.79	3.71	35.98
Means,	2.53	3.14	3.19	2.87	2.65	3.82	3.92	3.92	3.42	2.85	1.78	3.32	37.41

Note: 1899 to 1912 inclusive observations made at River Bridge, elevation 545 feet; 1913 to 1915 inclusive at 30 North Franklin Street, elevation 565 feet. This record furnished by The Spring Brook Water Supply Company, Wilkes-Barre, Pa.

Williamsfield, Ohio—(Elevation 1,080 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1914,	3.07	2.12	3.15	5.01	4.39	3.94	4.01	5.48	0.99	2.70	2.24	4.28	41.38
1915.	2.96	2.61	1.07	0.58	3.07	3.17	6.96	4.44	2.95	2.18	2.08	3.27	35.34

Note: This station maintained and operated by Water Supply Commission of Pennsylvania.

Williamsport, Lycoming Co.—(Elevation 530 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1873,	3.00	2.05	3.72	3.30	2.95	3.76	5.32	6.98	1.56	5.66	1.92	3.21	43.43
1874,	2.57	2.83	2.92	5.13	1.26	1.91	2.72	3.61	4.10	2.06	2.70	1.45	33.26
1875,	2.34	1.99	3.57	3.50	0.80	0.50	3.10	6.35	4.10	4.92	1.68	3.40	36.25
1876,	1.37	3.76	4.21	2.85	1.93	.....	.....	.....	8.88	1.29	4.27	2.58	.....
1877,	2.96	1.50	3.10	1.82	1.75	4.85	4.15	3.15	3.95	7.65	4.50	1.09	40.47
1878,	6.15	2.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889,	.....	1.80	1.45	3.30	4.80	6.20	5.10	2.80	3.40	4.20	7.70	4.00	.....
1890,	3.50	3.70	4.30	4.00	6.20	3.60	3.80	4.30	3.90	6.40	1.30	4.25	49.25
1891,	4.00	5.20	5.20	2.00	1.20	5.00	4.70	6.50	2.40	2.60	3.00	4.80	46.60
1895,	*2.92	0.59	1.16	2.17	2.37	4.99	1.93	2.30	2.12	1.13	1.95	2.35	*25.98
1896,	1.76	3.81	4.17	1.03	1.77	3.98	4.16	2.96	3.81	5.70	2.55	0.89	36.59
1897,	1.45	2.99	3.00	2.25	2.85	3.89	4.77	5.83	2.99	1.68	3.46	3.64	38.80
1898,	3.76	1.56	3.44	2.81	4.95	2.73	1.15	4.75	0.81	5.92	1.97	2.86	36.71
1899,	1.46	3.71	4.36	1.71	2.36	4.25	2.00	4.15	2.94	3.26	2.13	4.63	36.96
1900,	2.31	3.72	3.63	0.81	2.35	2.89	2.57	2.89	1.01	2.35	3.26	2.15	29.94
1901,	1.40	0.66	3.63	5.57	6.34	2.99	3.29	5.18	3.21	1.59	2.59	6.05	42.50
1902,	3.61	4.81	4.05	2.43	1.45	5.61	6.02	1.69	5.65	2.10	1.31	3.74	42.47
1903,	3.95	3.24	3.96	3.67	1.88	5.49	6.08	5.05	1.43	4.22	2.33	2.85	44.15
1904,	3.64	1.10	5.11	3.63	5.28	3.07	5.59	2.13	2.60	2.24	0.51	2.63	37.53
1905,	4.55	1.01	3.61	1.65	2.09	3.13	5.95	5.78	2.95	3.18	2.38	3.77	40.05
1906,	1.51	1.18	4.49	3.22	2.14	3.64	3.26	5.32	3.42	4.87	0.89	2.60	36.54
1907,	3.38	0.94	2.22	2.14	2.02	7.16	1.88	0.94	4.19	2.14	2.42	4.11	33.54
1908,	2.62	5.08	3.60	3.69	5.22	2.15	8.01	3.93	1.29	3.66	0.56	2.36	42.17
1909,	2.51	3.90	2.15	8.22	2.65	3.85	0.75	1.40	1.84	2.05	0.59	3.31	33.22
1910,	5.56	3.32	0.42	6.51	2.80	3.84	2.80	1.49	3.79	0.92	1.35	2.12	34.92
1911,	2.81	1.67	1.84	3.84	1.28	2.81	3.71	6.07	3.49	3.82	1.82	2.53	35.69
1912,	1.21	3.07	3.95	4.13	2.58	0.79	3.22	9.65	5.28	2.45	2.93	2.49	41.75
1913,	4.25	1.41	4.04	4.38	3.54	1.18	4.74	2.99	4.55	4.80	2.28	3.09	41.25
1914,	2.37	2.96	2.64	4.73	4.32	2.71	4.55	3.04	0.90	2.83	2.31	5.32	33.68
1915,	6.85	2.69	0.95	2.33	4.33	3.96	6.31	6.05	1.61	1.52	2.84	4.15	43.59
Means,	3.10	2.64	3.27	3.34	2.95	3.60	3.99	4.19	3.18	3.35	2.40	3.19	39.20

Notes: *Interpolated. 1889-91 inclusive, record for Nisbet, 6 miles southwest of Williamsport. (Elevation Nisbet 550 feet).

Wilsonville, Wayne Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1912,	1.13	1.86	4.68	4.39	2.61	2.29	2.91	4.16	7.36	3.29	1.75	2.77	39.20
1913,	2.53	1.65	4.41	4.34	2.81	0.91	2.73	2.28	2.48	3.81	4.16	3.07	35.18
1914,	2.25	2.59	2.90	3.99	3.38	4.51	5.22	3.58	0.87	1.97	1.55	5.26	38.07
1915,	4.49	3.95	0.86	2.47	3.86	3.48	4.58	6.87	3.04	1.50	2.43	4.89	42.42

Note: This record furnished by L. B. Stillwell, Consulting Engineers, New York City.

Wysox, Bradford Co.—(Elevation 718 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1885,	.....	.....	.....	.....	.....	.....	.....	5.15	1.12	6.63	2.66	1.91	.....
1886,	3.54	0.95	2.82	2.88	2.57	2.60	5.02	1.43	4.25	2.21	.....	1.08	.....
1887,	0.66	3.53	1.44	2.10	2.49	2.03	.....	.....	.....	.....	.....	.....	.....
1888,	2.63	1.25	2.07	1.82	2.31	2.75	2.31	6.13	4.40	3.24	3.27	2.51	34.69
1889,	2.70	1.73	1.73	3.78	4.76	4.86	5.17	2.07	3.21	3.16	5.02	2.51	40.70
1890,	1.99	2.46	3.38	3.42	.....	4.75	3.62	5.71	4.37	4.24	0.81	3.48	.....
1891,	3.72	2.71	3.12	1.79	0.49	3.48	2.63	2.49	1.79	4.43	2.73	2.83	32.21
1892,	3.61	1.39	2.04	0.91	4.86	6.45	3.19	4.37	1.48	1.02	2.59	1.28	33.19
1893,	5.48	2.92	2.91	.....	3.05	2.65	3.98	5.43	2.89	1.33	.....	.....	.....
Means,	3.04	2.12	2.44	2.39	2.93	3.70	3.70	4.10	2.94	3.28	2.85	2.23	35.72

York, York Co.—(Elevation 381 feet)

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1888,	2.70	2.20	3.78	1.17	5.10	2.23	2.84	5.65	4.05	2.24	2.68	3.62	38.26
1889,	4.30	2.20	3.40	3.91	5.65	5.13	4.34	2.83	6.87	4.03	8.28	1.05	51.99
1890,	1.84	2.85	5.44	1.94	6.65	3.29	1.77	5.65	4.55	6.60	0.80	3.29	44.67
1891,	3.65	3.37	6.07	2.01	2.39	3.98	10.77	3.29	1.88	3.20	2.13	4.20	46.94
1892,	6.08	1.25	5.87	1.70	4.10	3.81	8.59	2.81	2.66	0.14	4.44	2.13	43.58
1893,	1.76	4.76	1.76	4.37	6.53	2.50	1.58	3.40	1.57	3.03	3.55	2.22	37.03
1894,	1.34	4.20	1.58	4.48	4.40	3.06	2.22	2.93	9.16	4.24	2.09	3.90	43.60
1895,	4.03	0.98	2.50	3.73	2.73	3.10	1.41	2.41	4.01	2.36	1.80	3.33	32.39
1896,	0.94	4.88	4.20	1.45	2.53	3.92	4.00	1.05	2.54	3.44	3.10	0.45	32.50
1897,	1.55	4.59	2.51	3.42	6.61	2.42	3.69	4.04	2.73	2.60	5.69	3.37	43.22
1898,	3.67	1.15	3.00	2.71	6.86	1.08	3.47	6.44	1.82	4.31	4.75	3.58	42.84
1899,	3.61	6.64	5.16	1.28	5.71	3.54	5.32	6.76	6.07	0.92	3.59	1.18	49.78
1900,	2.12	4.62	3.08	1.35	1.85	4.81	2.36	4.09	3.18	1.51	2.81	2.52	34.30
1901,	2.72	0.53	3.94	2.51	2.55	1.55	3.33	6.27	2.36	1.59	2.50	6.17	36.02
1902,	2.73	6.74	4.80	3.41	1.24	5.15	5.74	4.22	4.12	6.40	2.39	6.15	53.09
1903,	4.67	6.13	4.72	3.21	1.18	6.21	4.26	6.96	2.72	3.51	1.89	2.90	48.36
1904,	4.39	1.08	2.93	0.92	2.21	4.80	5.80	3.77	2.70	3.23	1.21	0.53	33.57
1905,	3.29	0.57	4.22	4.51	2.40	3.74	8.46	8.69	2.15	4.69	2.41	3.57	48.70
1906,	2.84	2.32	2.49	5.31	2.77	6.98	2.83	4.19	1.85	5.23	0.85	4.73	42.39
1907,	3.27	1.81	2.76	2.59	2.61	3.88	6.33	1.43	4.64	2.59	4.12	3.47	39.50
1908,	2.94	4.31	3.27	1.86	4.95	1.35	4.70	2.01	3.42	1.83	0.96	2.60	34.20
1909,	1.71	4.73	2.79	2.37	2.13	2.49	0.94	0.99	0.72	0.70	0.49	2.87	22.93
1910,	4.10	4.23	0.34	6.95	1.49	3.84	1.52	2.81	1.42	1.61	1.73	1.82	31.86
1911,	3.48	2.32	2.22	3.25	2.11	2.94	7.62	10.79	3.66	2.54	2.50	3.45	46.88
1912,	1.78	2.50	6.20	3.04	2.04	4.84	6.55	1.57	3.04	1.46	2.01	4.28	39.31
1913,	2.65	1.20	4.39	3.46	3.41	0.98	2.54	4.31	5.18	6.41	2.26	3.02	39.81
1914,	4.04	2.31	0.94	2.70	1.81	2.62	7.48	2.86	1.21	0.91	1.16	4.87	32.91
1915,	6.62	4.89	1.03	2.16	3.15	5.63	3.17	8.79	2.66	0.71	1.61	3.73	44.15
Means,	3.17	3.19	3.41	2.92	3.47	3.57	4.42	4.32	3.32	2.93	2.64	3.18	40.54

Note: Portion of this record furnished by the York Water Co., York, Pa.

York Sulphur Springs, Adams Co.

Year.	Jan.	Feb.	March.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1871,	3.40	2.60	6.10	2.80	2.70	3.65	4.05	3.50	1.55	2.90	3.40	0.85	37.50
1872,	1.15	1.85	1.30	1.45	2.46	4.05	1.20	8.14	3.45	4.80	3.68	2.35	35.88
1873,	3.65	7.55	2.90	2.97	4.75	3.69	3.35	11.75	2.35	5.87	2.30	.....	.....
1874,	.....	.....	2.05	5.95	2.75	1.65	4.25	4.70	4.20	2.25	2.05	2.40	.....
1875,	2.00	2.60	4.50	3.30	1.35	5.00	6.05	7.15	2.70	4.35	3.80	2.70	45.50
1876,	1.30	2.75	7.40	2.00	3.15	4.15	2.65	2.17	.....	.....	.....	.....	.....
Means,	2.30	5.77	4.04	3.08	2.86	3.70	3.59	6.23	2.85	4.03	7.08	2.08	47.61

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